







INDEX OF PATENTS

RELATING TO

ELECTRICITY,

EMBRACING PATENTS ISSUED BY

THE UNITED STATES PATENT OFFICE

FROM JULY 1, 1885, TO JUNE 30, 1886.

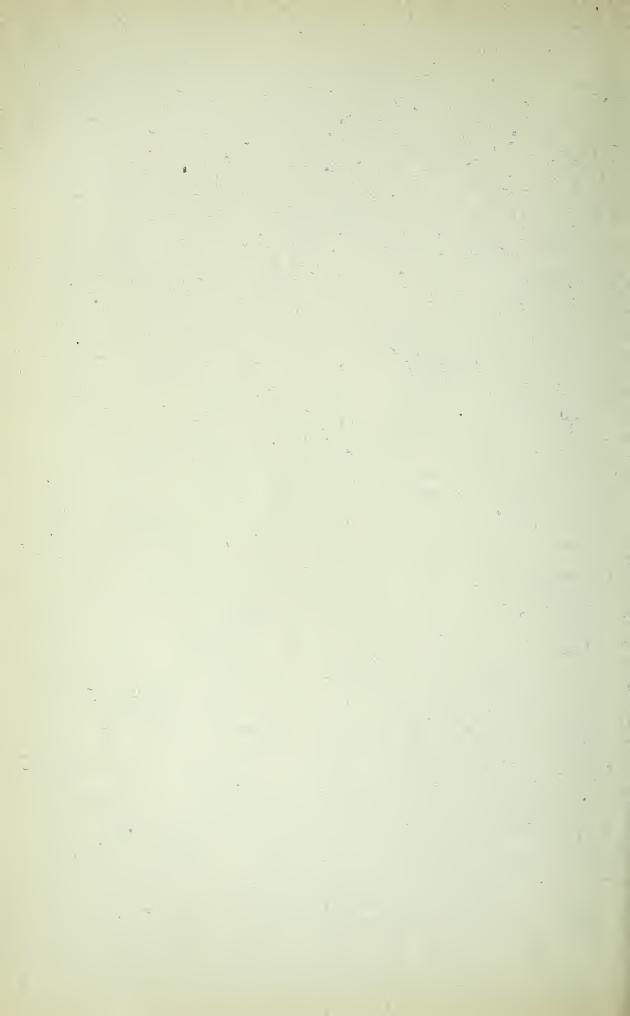
APPENDIX No. V.

COMPILED UNDER THE DIRECTION OF THE COMMISSIONER OF PATENTS.

WASHINGTON:
GOVERNMENT PRINTING OFFICE.
1887.







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NOTE.

The following new sub-classes have been added:

171. GENERATION.—95. GALVANOMETERS.

Devices for indicating the strength, tension, or direction of electric currents.

171. GENERATION.—97. Systems of Distribution.

Organized systems for distributing electricity, including apparatus at a central station and circuits controlled therefrom.

- 175. SPECIAL APPLICATIONS.—96. ELECTRO-MAGNETS.—MACHINES FOR WINDING.
 Machines for winding insulated wire for electro-magnets and armatures.
- 176. ELECTRIC LIGHTING.—102. LIGHTS, FILAMENTS AND CARBONS.

 Including manufacture of incandescent electric light filaments and arc light electrodes.
- 176. ELECTRIC LIGHTING.—98. LIGHTS, SOCKETS AND KEYS.
 Incandescent lamp sockets and keys.
- 178. TELEGRAPHY.—101. Fire, Alarms and Extinguishers.
 Thermostatic electrical alarms, sprinklers, &c.
- 179. TELEPHONY.—100. TELEPHONES, SUPPORTS.
 Including stands, brackets, &c., for holding telephones.
- 179. TELEPHONY.—99. TELEPHONES, SYSTEMS, AUTOMATIC.

 Apparatus for connecting diverging lines without manual switch-boards.

ADDENDA.

The following patents were omitted from former indexes:

No.	Name.	Class.	Date.
121,666 202,691 245,913	Schroeder, T. A. and Wuest, H.————————————————————————————————————	Alarms, burglar	Dec. 5, 1871 Apr. 23, 1878 Aug. 16, 1881

APPENDIX No. V.

PART I.

CONSISTING OF A

SUB-CLASS INDEX OF ALL PATENTS

RELATING TO

ELECTRICITY

Issued from July 1, 1885, to June 30, 1886, inclusive, giving names of Inventors, and dates and numbers of Patents in each sub-class in numerical and chronological order.



CLASSIFIED INDEX

OI

PATENTS RELATING TO ELECTRICITY

FROM JULY 1, 1885, TO JUNE 30, 1886.

171, GENERATION.—6. BATTERIES—GALVANIC.

·							
No.	Name.	DATE.	No.	NAME.	DATE.		
321,446 321,917 323,902 323,903 323,904 323,905 324,475 324,475 324,708 327,582 327,582 327,582 327,582 328,607 328,687 328,687 328,948 329,724	Orne, C. P Starr, E. T Brewer, H. J Brewer, H. J Brewer, H. J Brewer, H. J Lyman, W. T Leighton, E. F Low, J. B Hammer, E. G Odell, J. B Holtzer, C. W Gardner, E. M Partz, A. F. W Kauffer, T. L Kauffer, T. L Dieckmann, G. F	Aug. 18, 1885 Aug. 25, 1885 Sept. 28, 1885 Oct. 6, 1885 Oct. 6, 1885 Oct. 13, 1885 Oct. 20, 1885 Oct. 20, 1885 Oct. 27, 1885 Nov. 3, 1885	334,788 336,352 337,045 337,477 338,194 338,683 338,770 340,474 341,552 341,907 342,407 342,407 342,407 344,345 344,345 344,347 344,523 344,750	Lathrop, F. L Roovers, A. H. and A. W. and Williams, P. G. Carter, J. W Brewer, H. J Serson, J Woodward, J. H Otto, G Armstrong, J. T Carter, J. W., jr Harris, A. C Walter, H Gardner, E. M Case, W. E Case, W. E Gates, W. L Platt, W. S	Apr. 20, 1886 May 11, 1886 May 18, 1886 May 25, 1886 May 25, 1886 June 29, 1886 June 29, 1886 June 29, 1886 June 29, 1886		
		3, 1000		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1			
	171. GEN	ERATION.—72	. Batteri	IES—SECONDARY.			
321,759 323,890 324,597 325,120 327,341 331,407 331,408 333,292	Sellon, J. S. Starr, E. T. and E. E. Sellon, J. S. Sellon, J. S. Starr, E. T. and E. E. Jones, E. Jones, E. Fitz-Gerald, D. G. and Jones, T. J.	Dee. 1, 1885	334,027 336,101 336,102 337,298 337,299 341,600 341,860 342,385 342,594	Meeker, F. W Gardner, E. M Gardner, E. M Brush, C. F Brush, C. F Pitkin, J Sorley, C Remington, W. H Gibson, C. D. P	Jan. 12, 1886 Feb. 16, 1886 Feb. 16, 1886 Mar. 2, 1886 May 11, 1886 May 11, 1886 May 25, 1886 May 25, 1886		
	171. GENERATIO	ON.—74. BATTE	RIES—SEC	ONDARY—APPLICATIONS.			
327,964 328,418 328,593	Prescott, G. B., jr	Oct. 13, 1885	343,392 343,393 343,394	Pendleton, J. M	June 8, 1886 June 8, 1886 Juue 8, 1886		
171. GENERATION.—23. FRICTION GENERATORS.							
324,010 331,754			336,947	Robbins, A. L	Mar. 2, 1886		

171. GENERATION.—95. GALVANOMETERS.

No.	Name.	DATE.	No.	Name.	DATE.
323,203	Pratt, R. J	July 28, 1885	338,549	Raworth, J. S	Mar. 23, 1886
327,908	Weston, E	Oct. 6, 1885	339,058	Howell, J. W	Mar. 30, 1886
332,832	Raworth, J. S	Dec. 22, 1885	340,399	Weston, E	Apr. 20, 1886
334,145	Weston, E	Jan. 12, 1886	340,403	Weston, E	Apr. 20, 1886
336,688	Barrett, J. A	Feb. 23, 1886	340,538	Amet, E. H	Apr. 27, 1886
338,120	Waldo, L	Mar. 16, 1886	342,475	Swan, F. A.	May 25, 1886
338,178	Lundstedt, O. E	Mar. 16, 1886	342,777	Cardew, P	June 1, 1886
	171. GJ	ENERATION	-27. Indu	ection-Coils.	
326,270	Burnley, W	Sept. 15, 1885	332,559	Robinson, J. A	Dec. 15, 1885
329,310	Hicks, T. II	Oct. 27, 1885	333,739	France, S	Jan. 5, 1886
329,772	Perrin, T. J	Nov. 3, 1885	342,553	Westinghouse, G., jr	May 25, 1886
329,929	Metzger, A	Nov. 10, 1885	342,947	Beale, A. M. A	June 1, 1886
330,531	Vetter, J. C.	Nov. 17, 1885	343,602	Pfannkuche, G. and A	June 15, 1886
331,121	Eisenhart, C. A	Nov. 24, 1885			
	171. GE	NERATION.—	33. Magn	ETO-ELECTRIC.	
201 000	T T	I1 7 1005	221 002	Taola V	I 00 1000
321,609 321,990	Jones, E		334,823 335,105	Tesla, N Boissier, H. R	
321,991	Mather, R. H	July 14, 1885	335,325	Vælker, W. L	Feb. 2, 1886
322,230	Whitney, E. R	July 14, 1885	335,326	Vælker, W. L	Feb. 2, 1886
322,310	Ruset, C. F		335,355	Hering, C.	
323,108	Bollmann, L		336,000	Fisher, F. E.	Feb. 9, 1886
323,361	Orton, B. F		336,087	Brush, C. F	Feb. 16, 1886
323,362	Orton, B. F	July 28, 1885	336,636	Gérard-Léscuyer, J. M. A	Feb. 23, 1886
323,363	Orton, B. F		337,005	Mackie, R	
323,975	Thomson, E		337,010	McCarty, N	
324,075	Bradley, J. J		337,041	Bain, F	
324,590 324,666	Powers, J. A		337,042 337,558	Bain, F	
324,000	Cushman, H. and Hall, J. P.		337,824	Eldon, M. S	
325,619	Mueller, C. L. F	Sept 1 1885	337,885	Stockwell, L. W	
325,714	Van Choate, S. F	Sept. 8, 1885	338,169	Forbes, G	
326,796	Smit, W. B. and Pot, A		338,197	Snowherger, J	Mar. 16, 1886
327,790	Grauert, E		338,321	Van Depoele, C. J	Mar. 23, 1886
328,253	Rice, E. W., jr	Oct. 13, 1885	338,383	Batchelor, C.	Mar. 23, 1886
328,572	Edison, T. A		338,692	Ball, R. E.	
328,859	Piper, C. E.		338,910	Ball, R. E	
330,095	Clark, E. P.		339,772	Flering, C.	Apr. 13, 1886
330,433	Slattery, M. M. M	Nov. 17, 1885	339,773	Hering, C	Apr. 13, 1886
330,490	Jenney, C. D	Nov. 17, 1880	339,839	Batchelor, C. and Walter, H. E-	
330,836	Jönsson, O. F. Orton, B. F.	Nov. 11, 1880	340,395	Weston, E	
331,155 331,502	Jackson, C. T.	Dec. 1, 1885	340,537	Adams, T. E De Ferranti, S. Z	May 4 1886
331,726	Müller, H		341,303	Woolley, L. G	May 4, 1886
331,815	Orton, B, F	Dec. 8, 1885	341,981	Woolson, O. C	May 18, 1886
331,818	Orton, B. F	Dec. 8, 1885	341,990	Barchelor, C	May 18, 1886
331,924	Vail, J. II	Dec. 8, 1885	342,441	Jenney, C. D	May 25, 1886
332,399	Jenney, C. D	Dec. 15, 1885	342,504	Eickemeyer, R	May 25, 1886
332,427	Parham, C	Dec. 15, 1885	342,587	Eickemeyer, R	May 25, 1886
332,685	Waterhouse, F. G.	Dec. 15, 1885	342,588	Eickemeyer, R	May 25, 1886
333,174	Thomson, W	Dec. 29, 1885	342,589	Eickemeyer, R	
333,563	Stanley, W., jr. and Shallenber-	Jan. 5, 1886	343,129	Ketchum, A. G	
333,573	ger, O. B. Thomson, E	Ton # 1000	343,930	Taey, S. H	
333,902			344,542	Parsons, C. A.	
334,712	Thury, R Mather, R. H		344,801	Freeman, W. E.	June 29, 1000
	171. GENERATIO	ON.—76. Magn	ETO-ELEC	TRIC—HAND-MACHINES.	
907.008	I our \ H	0-4 0 7110=	00=007	T.I. ST.O. I.E C. T.	E-1 0 1000
327,886	Low, A. H		335,934	Johnson, W. S. and Fortier, C. L.	
327,886 332,388 335,693	Low, A. H	Dec. 15, 1885	335,934 336,518 339,672	Humans, W	

171. GENERATION.—34. METERS.

171. GENERATION.—34. METERS.					
No.	NAME.	DATE.	No.	NAME.	DATE.
325,225 327,391 330,451 333,079 333,779 335,687 336,132 336,133	Van Depocle, C. J Green, J. J Weston, E Mott, S. D Patterson, W. C Drake, J. I Mott, S. D Mott, S. D	Sept. 29, 1885 Nov. 17, 1885 Dec. 22, 1885 Jan. 5, 1886 Feb. 9, 1886 Feb. 16, 1886	336,337 337,123 337,679 338,588 338,596 338,597 341,918 343,450	Meeze, A. G.— Borel, F. and Paccaud, E.— Green, J. J.— De Ferrauti, S. Z. Huber, J. L. Huber, J. L. Jönsson, O. F. Grove, J. R.	Feb. 16, 1886 Mar. 2, 1886 Mar. 9, 1886 Mar. 23, 1886 Mar. 23, 1886 Mar. 23, 1886 May 18, 1886 June 8, 1886
	171.	GENERATION	V40. Re	EGULATORS.	
\$23,059 \$23,470 \$23,650 \$23,976 \$24,566 \$24,862 \$25,133 \$25,576 \$26,603 \$26,575 \$26,603 \$29,118 \$29,681 \$30,053 \$31,552 \$31,814 \$31,816 \$35,048 \$35,099	Moffatt, R. R. Van Depoele, C. J. Farmer, M. G. Thomson, E. Thomson, E. Lannert, J. A. Mather, R. H. Van Depoele, C. J. Stanley, W., jr. Mather, R. H. Stockwell, L. W. Wood, J. J. Ball, C. M. Schlesinger, W. M. Scribner, C. E. Schlesinger, W. M. Orton, B. F. Orton, B. F. Wheeler, S. S.	Aug. 11, 1885 Aug. 18, 1885 Aug. 18, 1885 Aug. 25, 1885 Aug. 25, 1885 Sept. 1, 1885 Sept. 22, 1885 Sept. 22, 1885 Oct. 27, 1885 Nov. 3, 1885 Nov. 10, 1885 Dec. 1, 1885	335,547 335,659 336,608 336,780 336,961 336,962 337,628 337,775 337,776 337,778 337,896 338,320 338,353 338,550 339,079 340,539 343,373 343,886	Thomson, E Van Depoele, C. J Watson, J. E Ball, R. E Tesla, N Tesla, N Shallenberger, O. B Loomis, O.P. and Cooley, H. W. Mather, R. H Van Depoele, C. J Van Depoele, C. J Ball, R. E Raworth, J. S Thomson, E. and Rice, E. W Edison, T. A Amet, E. H Holcombe, A. G Brush, C. F	Feb. 9, 1886 Feb. 23, 1886 Feb. 23, 1886 Mar. 2, 1886 Mar. 9, 1886 Mar. 9, 1886 Mar. 9, 1886
	171. GENE	RATION.—97.	Systems (OF DISTRIBUTION.	
321,461 322,138 322,139 328,447 328,574 328,575 329,621 335,045	Thomson, E	July 14, 1885 July 14, 1885 Oct. 13, 1885 Oct. 20, 1885	335,060 337,004 339,298 342,552 342,748 343,017 343,603 344,344	Doubleday, H. M Mackie, R. and McCarty, N Johnson, E. H Westinghouse, G., jr Howell, J. W Edison, T. A Pfannkuche, G. and A Buell, C. E	Mar. 2, 1886 Apr. 6, 1886 May 25, 1886 May 25, 1886 June 1, 1886 June 15, 1886
	172. N	IOTIVE POWI	ER.—9. C	AR BRAKES.	
324,470 324,774 334,020 334,021	Hess, E. B	Aug. 18, 1885 Jan. 12, 1886	334,022 334,637 341,573 344,736	Hollerith, H Card, G. F Harrington, S. H Hinckley, H	Jan. 12, 1886 Jan. 19, 1886 May 11, 1886 June 29, 1886
	172. N	MOTIVE POWI	ER.—75. I	LOCOMOTION.	
321,934 322,384 322,517 322,859 323,138 323,199 323,459 323,675 323,984 324,176 324,447 324,892 324,899	Siemens, E. W Kornbau, D Bentley, E. M Siemens, E. W Gassett, O Pendleton, J. M Sprague, F. J Henderson, J. C Van Depoele, C. J Siemens, E. W Wynne, F Sprague, F. J Van Depoele, C. J	July 21, 1885 July 21, 1885 July 28, 1885 July 28, 1885 Aug. 4, 1885 Aug. 4, 1885 Aug. 11, 1885 Aug. 11, 1885 Aug. 18, 1885 Aug. 25, 1885	325,083 325,173 325,915 326,237 327,381 327,382 327,690 328,420 328,821 329,104 330,605 331,388 331,585	Hopkinson, J Ileysinger, I. W Daft, L Perry, J. and Ayrton, W. E Clay, H. T Cohen, R. L Jackson, A McLaughlin, J. F Sprague, F. J Vau Depoele, C. J McLaughlin, J. F Enos, J. A Van Depoele, C. J	Sept. 29, 1885 Sept. 29, 1885 Oct. 6, 1885 Oct. 13, 1885 Oct. 20, 1885 Oct. 27, 1885 Nov. 17, 1885 Dec. 1, 1885

172. MOTIVE POWER.—75. Locomotion.—Continued.

No.	Name.	Date.	No.	Name.	Date.
332,926 332,927 332,928 332,929 333,970 334,662 334,608 335,285 335,560 336,453 337,109 338,022 338,080 338,081 338,082 338,150 338,174 338,175 338,175 338,224 338,313 338,485	McLaughlin, J. F. McLaughlin, J. F. MeLaughlin, J. F. MeLaughlin, J. F. McLaughlin, J. F. Pope, F. L. Van Depoele, C. J. Pope, F. L. Johnson, E. H. Bullock, C. Van Depoele, C. J. Allen, R. N. Bentley, E. M. Knight, W. H. Green, G. F. Knight, W. H. Knight, W. H. Knight, W. H. Green, G. F. Spragne, F. J. Clay, H. T.	Dec. 22, 1885 Dec. 22, 1885 Dec. 22, 1885 Dec. 22, 1885 Jan. 5, 1886 Jan. 19, 1886 Feb. 2, 1886 Feb. 9, 1886 Feb. 16, 1886 Mar. 16, 1886	338,556 338,619 338,663 339,018 339,073 339,278 339,942 340,684 340,685 341,658 342,246 342,459 342,666 343,076 343,101 343,319 343,719 343,884 344,425	Ries, E. E. Sprague, F. J. Green, G. F. Schlesinger, W. M. Pope, F. L. Edison, T. A. Short, S. H. and Nesmith, J. W. Wharton, W., jr. and Samuel, E. Siemeus, E. W. Sprague, F. J. Sprague, F. J. Schlesinger, W. M. Enos, J. A. Pendleton, J. H. Williams, J. T. Short, S. H. Bentley, E. M. Jenkin, F. Miller, S. Bentley, E. M. Van Depoele, C. J.	Mar. 23, 1886 Mar. 23, 1886 Mar. 23, 1886 Mar. 30, 1886 Mar. 30, 1886 Apr. 6, 1886 Apr. 13, 1886 Apr. 13, 1886 Apr. 20, 1886 Apr. 27, 1886 Apr. 27, 1886 May 4, 1886 May 4, 1886 May 25, 1886 May 25, 1886 June 1, 1886 June 1, 1886 June 1, 1886 June 15, 1886 June 15, 1886 June 15, 1886 June 19, 1886
	172.	MOTIVE PO	VER.—36	. Morors.	
322,296 323,460 323,652 323,653 323,982 324,667 324,891 325,641 327,797 331,880 332,668 335,781 335,863 335,996 335,998 336,629 337,777	Knabe, E., jr ———————————————————————————————————	Aug. 4, 1885 Aug. 4, 1885 Aug. 4, 1885 Aug. 11, 1885 Aug. 18, 1885 Aug. 25, 1885 Sept. 1, 1885 Oct. 6, 1885 Dec. 6, 1885 Dec. 15, 1885 Feb. 9, 1886 Feb. 9, 1886 Feb. 9, 1886 Feb. 9, 1886 Feb. 9, 1886 Feb. 23, 1886	337,793 337,794 337,897 337,931 338,023 338,084 338,622 338,976 338,976 338,977 343,176 343,444 343,487 344,643 344,643	Sprague, F. J. Sprague, F. J. Van Depoele, C. J. Darling, W. H. Bentley, E. M. Knight, W. H. Knight, W. H. Van Depoele, C. J. Stout, G. H. Keegan, V. E. Keegan, V. E. Higham, E. T. & D. Doyle, J. Paine, H. M. Emley, J. E. Doriot, C. Recordon, E. F.	Mar. 16, 1886 Mar. 16, 1886 Mar. 16, 1886 Mar. 16, 1886 Mar. 23, 1886 Mar. 23, 1886 Mar. 30, 1886 Mar. 30, 1886 June 8, 1886 June 8, 1886 June 8, 1886
	172. MOTIVI	E POWER.—8.	STEERING	AND PROPULSION.	
322,900 333,008	Castro, A		339,096	Haight, G. E. and Wood, W. H.	Mar. 30, 1886
	172. MOTIV	E POWER.—8	3. Transi	HISSION OF POWER.	
322,916 332,009	Daft, L	July 28, 1885 Dec. 8, 1885	344,260	Elieson, C. P	June 22, 1886
	173.	CONDUCTOR	S.—13. Co	NDUCTORS.	
322,493 323,920 324,225 324,412 324,413 325,363 325,743 327,460 327,460 327,467 327,471	Sorgue, P Denison, R. A Carhart, E. M Patterson, W. R Patterson, W. R Royle, V. and J., jr Hettinger, M Gilliand, E. T Spalding, H. C Spalding, H. C Spalding, H. C Spalding, H. C	Aug. 11, 1885 Aug. 11, 1885 Ang. 18, 1885 Aug. 18, 1885 Sept. 1, 1885 Sept. 29, 1885 Sept. 29, 1885 Sept. 29, 1885 Sept. 29, 1885	327,491 327,493 327,971 380,036 380,048 330,071 380,873 330,874 332,761 333,111 333,111 333,394	Spalding, H. C	Sept. 29, 1885 Oct. 6, 1885 Nov. 10, 1885 Nov. 10, 1885 Nov. 10, 1885 Nov. 24, 1885 Nov. 24, 1885 Dec. 22, 1885 Dec. 29, 1885 Dec. 29, 1885

CLASSIFIED INDEX—ELECTRICITY.

173. CONDUCTORS.—13. CONDUCTORS.—Continued.

		2010101	001(2001		
No.	NAME.	Date.	No.	NAME.	DATE.
334,450 334,763 335,135 335,495 336,018 336,992 337,513 338,733 338,733 338,971 339,646 339,777	Mason, H. R Fay, C. N Lee, J. J Williams, J. B Rigney, W. J. and Wolff, J Clark, H. A Moxham, A. J Habirshaw, W. M Jägel, J. M Hallidie, A. S Howe, J	Jan. 26, 1886 Feb. 2, 1886 Feb. 2, 1886 Feb. 9, 1886 Mar. 2, 1886 Mar. 9, 1886 Mar. 30, 1886 Mar. 30, 1886	339,787 342,523 342,694 342,892 343,081 343,082 343,083 343,084 343,099 343,293 343,651	Kendall, E. D.—Libbey, H. W—Hoard, J. W. and F. R—Acheson, E. G.—Smith, J. J. C. and M—Smith, J. J. C. and M—Smith, J. J. C. Smith, M—Acheson, E. G—Bowen, C. H—Sperry, E. A—	May 25, 1886 May 25, 1886 June 1, 1886 June 1, 1886 June 1, 1886 June 1, 1886 June 1, 1886 June 1, 1886
	173. CONDU	JCTORS.—94. C	ONDUCTOR	s—Lead-Covered.	
323,021	Cruiekshank, G. M.				Sept. 8, 1885
	173. CONDU	JCTORS70. C	CONDUCTOR	rs—Underground.	
\$21,865 \$21,956 \$22,018 \$22,529 \$23,241 \$23,964 \$25,495 \$25,531 \$25,954 \$27,463 \$27,463 \$27,463 \$27,475 \$27,476 \$27,477 \$27,478 \$27,478 \$27,480 \$27,480 \$27,481 \$27,481 \$27,483 \$27,48	Teggart, J Ellis, J. W Smith. W. D'B. and Milliken, F. J. Dorsett, D. H Walter, W Rogers, W. B Brooks, D Gould, J. H Smith, W. D Cox, G. S McMaekin, P Spalding, H. C	July 14, 1885 July 14, 1885 July 21, 1885 July 28, 1885 Aug. 11, 1885 Sept. 1, 1885 Sept. 1, 1885 Sept. 29, 1885 Nov. 10, 1885 Nov. 10, 1885	330,724 331,918 332,047 332,149 332,319 333,462 334,709 334,850 335,091 337,472 337,624 338,518 339,844 340,046 340,431 340,432 340,433 342,280 342,324 343,354 344,732 344,732	Montgomery, S Street, E. A. and Fleming, R. W. Burdick, J. R. Hoeveler, W. A Hoeveler, W. A Kruesi, J. and Langton, J., jr Kruesi, J. and Langton, J., jr Denison, R. A Putnam, T. A. B Allen, S. M Schillinger, J. J Gilman, C. C Spalding, H. C Beeler, J Hurlbut, D. N Dorsett, D. H Dorsett, D. H Dorsett, D. H Burdick, J. R Brandon, A Wyckoff, A Hull, G. S Munsie, J. F Fondersmith, II Woodward, A. T	Dec. 8, 1885 Dec. 8, 1885 Dec. 8, 1885 Dec. 8, 1885 Dec. 15, 1885 Dec. 129, 1885 Jan. 19, 1886 Jan. 26, 1886 Jan. 26, 1886 Mar. 9, 1886 Mar. 9, 1886 Mar. 23, 1886 Apr. 6, 1886 Apr. 13, 1886 Apr. 13, 1886 Apr. 20, 1886 Apr. 20, 1886 Apr. 20, 1886 June 8, 1886 June 8, 1886 June 8, 1886 June 22, 1886 June 22, 1886
	173.	CONDUCTOR	S.—14: Co	NNECTORS.	
323,243 324,171 324,410 325,653 326,906 327,479 328,502	Warren, A. G Sawyer, W. H Otto, G Bunnell, J. H Helvin, J. A. and Van Hoeven- bergh, H. Spalding, H. C	Aug. 11, 1885 Aug. 18, 1885 Sept. 8, 1885 Sept. 22, 1885 Sept. 29, 1885	329,162 337,260 338,131 340,426 341,128 342,751 343,515	Hamilton, E. M Hanlon, J. P. A., J. F. and G. O. Anderson, H Cox, H. B Burton, G. D Johnson, E. H Burton, G. D	Apr. 20, 1886 May 4, 1886 May 25, 1886
	173.	CONDUCTORS	S.—28. In	SULATORS.	
321,646 323,055 324,692 324,957 326,132 323,728 323,929	Schoonmaker, E. T	July 28, 1885 Aug. 18, 1885 Aug. 25, 1885 Sept. 15, 1885 Oct. 20, 1885	330,173 332,061 336,276 336,828 339,822 340,734 342,320	Tringham, J. W Deblieux, B. N Wilson, J Travis, C. L Swan, A Seaboldt, B Blake, E. C. and Trimnell, E. C.	Dec. 8, 1885 Feb. 16, 1886 Feb. 23, 1886 Apr. 13, 1886 Apr. 27, 1886

173. CONDUCTORS.—31. LIGHTNING-RODS.

No.	Name.	DATE.	No.	NAME.	DATE.
929 107	D. H. C	T., 1., 90 1005	220.672	Manager A. I.	D IE 1905
323,105 329,833 332,383	Bradley, S	July 28, 1885 Nov. 3, 1885 Dec. 15, 1885	332,673 343,332 344,096	Munson, A. J. Munson, A. J. Foy, E. A.	June 8, 1886
302,000		<u>'</u>			
	1/3	CONDUCTOR	.S.—45. K	HEOSTATS.	
322,915 330,449	Daft, L	July 28, I885 Nov. 17, 1885	338,708 340,393	Brown, H. P. and F. H Weston, E	Mar. 30, 1886 Apr. 20, 1886
336,716	Hill, S. A	Feb. 23, 1886	340,449	Little, F. P. and McDonald, W. H.	Apr. 20, 1886
	173. CO	NDUCTORS.—	86. TELEC	GRAPH-POLES.	
338,115	Terry, S. H	Mar. 16, 1886	340,520	Potts, A	Apr. 20, I886
	174. MEDI	CAL AND SUI	RGICAL	-88. Body-Wear.	
324,713	Main, O. F	Aug. 18, I885	335,638	Sherwood, A. T.	Feb. 9, I886
325,086 328,829	Hughes, L	Aug. 25, I885 Oct. 20, 1885	335,639 336,450	Sherwood, A. T Valiant, P. F.	Feb. 9, 1886 Feb. 16, 1886
332,467	Wenigmann, P	Dec. 15, 1885	336,897	Culp, J. D	Mar. 2, 1886
334,879 335,417	Mayer, J Beidler, H. M	Jan. 26, 1886 Feb. 2, 1886	340.815 341,593	Payne, M. and Benson, D	Apr. 27, 1886 May 11, 1886
335,637	Sherwood, A. T.	Feb. 9, 1886	343,620	Wright, G. A	June 15, 1886
	175. SPECIAL A	APPLICATION	S.—4. Ap.	PLICATIONS—GENERAL.	
321,599	Hathaway, T. H	July 7, 1885	335,970	Skinner, C. E	Feb. 9, 1886
322,030 323,974	Williams, J. R	July 14, 1885 Aug. 11, 1885	336,622 337,334	Coffin, C. L	Feb. 23, 1886 Mar. 2, 1886
324,621	Wheeler, S. S	Aug. 18, 1885		and Artós, F.	
324,658 324,659	Cowles, E. H. and A. H	Aug. 18, 1885 Aug. 18, 1885	337,803 337,804	Worth, A. B	Mar. 9, 1886 Mar. 9, 1886
996 057	and Cowles, A. H.		339,540	Fraser, E. J	Apr. 6, 1886
326,957 327,089	Eisenhart, C. A		339,541 339,706	Fraser, E. J	Apr. 6, 1886 Apr. 13, 1886
330,640	Timby, T. R	Nov. 17, 1885	339,727	Atkins, E. C	Apr. 13, 1886
330,642 331,081	Timby, T. R		341,727 341,788	Cabell, S. G Arnold, J. McK	May 11, 1886 May 11, 1886
332,071	Gavitt, J. K. G	Dec. 8, 1885	342,495	Barker, A. A	May 25, 1886
333,554 333,951	Shaler, N. S		342,548 343,939	Walker, A. O	May 25, 1886 June 15, 1886
334,158	Beard, G. W	Jan. 12, 1886	344,170	Delmage, W. A	June 22, 1886
334,222	Fitch, H. A	Jan. 12, 1886			
-	175. SPECIAL APPLI	CATIONS.—5.	APPLICAT	rions—Tools and Machines.	
322,335	Wetmore, J. A		334,620	Serrell, E. W., jr	
324,751 330,226	Curtiss, R. M	Ang. 18, 1885 Nov. 10, 1885	334,621 337,000	Serrell, E. W., jrHolland, J. P	Jan. 19, 1886 Mar. 2 1886
331,386	Eames, G. M	Dec. 1, I885	337,872	Russell, S	Mar. 16, 1886
333,336 333,838	Regan, D. S Delamare - Deboutteville, E.		337,873 338,522	Russell, S	Mar. 16, 1886 Mar. 23, 1886
	and Malandin, L. P. C.	,	341,380	Hey, G. W. and Laass, E	May 4, 1886
334,153 334,154	Babcock, G. H		341,536 341,537	Zalinski, E. L	
334,618 334,619	Serrell, E. W., jr Serrell, E. W., jr	Jan. 19, I886	344,073	Ball, J	
	175. SPECI	AL APPLICAT	rions.—2	20. Electrolysis.	
322,169	Farmer, M. G		330,149	Pilet, G. and Carry, C	
322,170 323,514	Farmer, M. G	July 14, 1885	330,247	Liepmann, H	Nov. 10, 1885
020,014	1.20JO20, 11	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	331,104	HILISTON, W. II	100. 24, 10.0

175. SPECIAL APPLICATIONS.—20. Electrolysis.—Continued.

No.	Name;	DATE.	No.	NAME.	DATE.
331,105 331,609	Winslow, W. H. Boissier, H. R.	Dec. 1, 1885	336,030 338,941	Wiswell, J. C Farmer, M. G	
332,705	Eames, H. H	Dec. 22, 1885	339,431	Ladd, W. J	Apr. 6, 1886
333,815 335,905	Body, M	Feb. 9, 1886	340,460	Rogers, L. II	Apr. 20, 1886
			-		
	175. SPECIA	L APPLICATIO	ONS.—21.	ELECTRO-MAGNETS.	
327,469	Spalding, H. C	Sept. 29, 1885	338,260	Gaiser, C. A	Mar. 23, 1886
329,768	Parkes, S. H	Nov. 3, 1885	338,261	Gaiser, C. A	Mar. 23, 1886
330,463 331,830	Brown, H. P Silliman, E. B		$343,008 \\ 343,227$	Clarke, C. LCutten, E. B	June 1, 1886 June 8, 1886
001,000	oriniman, 23. Diagram	200. 0, 1000	010,221	outen, E. B	
	175. SPECIAL APPLICAT	TIONS.—96. EL	ectro-Ma	GNETS-MACHINES FOR WINDIN	īG.
327,470	Spalding, H. C				Sept. 29, 1885
	175. SPI	CCIAL APPLIC	CATIONS.	-16. Heaters.	
323,651	Farmer, M. G	Ang. 4 1885	335,499	Bradley, C. S. and Crocker,	Feb. 2, 1886
335,058	Cowles, A. H.	Jan. 26, 1886		F. B.	,
335,059	Cowles, E. H. and A. H	Jan. 26, 1886	343,240	Harrell, J. J	June 8, 1886
	175. SPECIA	L APPLICATIO	ONS.—92.	Igniting Devices.	
324,058	White, L. S	Ang 11 1885	338,747	Holtzer, C. W	Mar. 30, 1886
325,569	Root, F. H	Sept. 1, 1885	338,748	Holtzer, C. W	Mar. 30, 1886
328,976	Rousseau, D	Oct. 27, 1885	341,565	Finck, J	May 11, 1886
328,977 331,221	Rousseau, D	Nov. 24, 1885	341,566 341,882	Finck, J. Cogswell, A. F., Young, W.	May 11, 1886 May 18, 1886
331,630	Geary, J	Dec. 1, 1885	,	and Haldeman, J. R.	,
	175. SPECIAL AP	 PLICATIONS	-91. Ignit	eing Devices—Portable.	
-					
322,233	Williams, H. N. Clarke, C. L.		336,898	Culp, J. D	Mar. 2, 1886
324,009	Clarke, O. D.	Aug. 11, 1000			
	175. SPECIAL AP	PLICATIONS	-93. Mag	NETIC LOCKS AND BOLTS.	
322,317	Daines W E	Tl. 11 1005	200 000	Henzel, G. L	Oct. 13, 1885
322,681	Peirce, W. E	July 14, 1885 July 21, 1885	329,222	Sedgwick, F.	Oct. 13, 1885
323,918	Crockett, C. H. and Allen, C. C.	Aug. 11, 1885	329,223	Sedgwick, F	Oct. 27, 1885
326,424	Gassett, O	Sept. 15, 1885	331,390	Fowler, E. W	Dec. 1, 1885
-	175. SPEC	CIAL APPLICA	TIONS.—	-90. Separators.	
020 500		G . 22 100F	040 401	D' ' I TO W	N 0= 1000
	3 () ()		342,421	Birmingham, D. W	
326,760 336,402	Marchese, E.	Sept. 22, 1885 Feb. 16, 1886	344 720	: Carpenter E K	
326,760 336,402 339,017	Marchese, E		344,720	Carpenter, F. R.	5 time 25, 1000
336,402	Fisher, F. E	Feb. 16, 1886	344,720	Carpenter, F. R	5 tille 25, 1000
336,402	Fisher, F. E.——————————————————————————————————	Feb. 16, 1886 Mar. 30, 1886		Valve Controllers.	5 tille 25, 1600
336,402	Fisher, F. E.——————————————————————————————————	Feb. 16, 1886 Mar. 30, 1886 APPLICATIO		Valve Controllers.	Oct. 13, 1885
336,402 339,017 321,426 326,223	Fisher, F. E. Schaeffer, G. 175. SPECIAL Ells, J. W. Jönsson, O. F.	APPLICATIO July 7, 1885 Sept. 15, 1885	NS.—84. 328,156 328,556	Valve Controllers. Tucker, C. A	Oct. 13, 1885 Oct. 20, 1885
336,402 339,017 321,426 326,223 326,337	Fisher, F. E. Schaeffer, G. 175. SPECIAL Ells, J. W. Jönsson, O. F. Sanders, L. M.	APPLICATIO July 7, 1885 Sept. 15, 1885 Sept. 15, 1885	NS.—84. 328,156 328,556 329,112	Valve Controllers. Tucker, C. A	Oct. 13, 1885 Oct. 20, 1885 Oct. 27, 1885
336,402 239,017 321,426 326,223 326,337 326,359 326,933	Fisher, F. E. Schaeffer, G. 175. SPECIAL Ells, J. W. Jönsson, O. F. Sanders, L. M. Wacker, G. G. Amet, E. II	Feb. 16, 1886 Mar. 30, 1886 APPLICATIO July 7, 1885 Sept. 15, 1885 Sept. 15, 1885 Sept. 15, 1885 Sept. 29, 1885	NS.—84. 328,156 328,556 329,112 330,379 331,406	Valve Controllers. Tucker, C. A. Amet, E. II. Willams, P. W. Cousins, J. L. Johnson, W. S.	Oct. 13, 1885 Oct. 20, 1885 Oct. 27, 1885 Nov. 17, 1885 Dec. 1, 1885
321,426 326,223 326,337 326,359	Fisher, F. E. Schaeffer, G. 175. SPECIAL Ells, J. W. Jönsson, O. F. Sanders, L. M. Wacker, G. G.	APPLICATIO July 7, 1885 Sept. 15, 1885 Sept. 15, 1885 Sept. 15, 1885 Sept. 29, 1885 Sept. 29, 1885	NS.—84. 328,156 328,556 329,112 330,379	Valve Controllers. Tucker, C. A. Amet, E. II. Willams, P. W.	Oct. 13, 1885 Oct. 20, 1885 Oct. 27, 1885 Nov. 17, 1885 Dec. 1, 1885 Dec. 1, 1885

175. SPECIAL APPLICATIONS.—84. VALVE-CONTROLLERS—Continued.

No.	NAME.	DATE.	No.	Name.	DATE.
339,826 339,888 341,092 341,368	Tengvall, A. O	Apr. 13, 1886 May 4, 1886	342,018 342,872 343,053 343,642	Johnson, W. S. Leigh, E. and Townend, T. Morse, P. C. Kissell, A. S.	May 18, 1886 June 1, 1886 June 1, 1886 June 15, 1886
	176. ELECTRIC I	IGHTING.—8). Cut-Ou	ts—Electro-Magnetic.	
324,980	Cabot, J. A	Aug. 25, 1885	10,663	Drake, C. C(Reis.)	Nov. 24, 1885
327,039 327,498 327,499 327,500 327,795 329,808 330,466	Thomson, E Spalding, H. C Spalding, H. C Spalding, H. C Spalding, H. C Bruns, C. L Bruns, C. L	Aug. 2-9, 1885 Sept. 29, 1885 Sept. 29, 1885 Sept. 29, 1885 Sept. 29, 1885 Oct. 6, 1885 Nov. 3, 1885 Nov. 17, 1885	336,040 338,752 339,363 340,448 342,549	Drake, C. C. Jönsson, O. F. Belt, P. P. Little, F. P. and McDonald, W. H. Ward, J. H. R. and Jenks, W. J.	Feb. 9, 1886 Mar. 30, 1886 Apr. 6, 1886 Apr. 20, 1886 May 25, 1886
	176. ELECTRI	C LIGHTING.	-79. CuŢ-	Outs—Mechanical.	
322,745	Nicolaus, E. B.	Inly 91 1995	334,143	Weston, E	Jan. 12, 1886
324,711 328,695 329,460 330,949 332,721	Leonard, S. S. Lemp, 11 Wightman, M. J. Loomis, O. P. and Cooley, H. W.	Aug. 18, 1885 Oct. 20, 1885 Nov. 3, 1885 Nov. 24, 1885	335,269 335,548 340,401 340,868 341,723 343,236	Brush, C. F Thomson, E Weston, E Fairchild, J. M Berguann, S Fernstein, A	Feb. 2, 1886 Feb. 2, 1886 Apr. 20, 1886 Apr. 27, 1886 May 11, 1886
	176. ELECTI	RIC LIGHTING	ў.—78. Ст	THERMAL.	
322,214 332,286 338,208	Vail, T. N Pfaunkuche, G Thomson, E. and Rice, E. W., jr	July 14, 1885 Dec. 15, 1885 Mar. 16, 1886	341,289 341,384	Temple, E. BLüngen, A	May 4, 1886 May 4, 1886
	. 176. ELE	CTRIC LIGHT	FING.—17	. LIGHTS—ARC.	
322,033 322,115 322,895 323,516 324,008 324,305 324,311 324,502 324,778 325,423 325,423 325,423 325,423 325,423 325,423 326,487 327,282 329,166 329,461 329,461 329,461 320,948 330,055 330,351 10,738 330,450 331,327 332,173 332,971 333,194	Beck, C. F Lever, C Burton, G. D Mather, R. 11 Clark, J. E. L. and W. J. K. and Bowman, R. D. Cutten, E. B Fiske, B. A Thomson, E Loomis, O. P Worth, A. B Bowman, A. H McCarty, N McCarty, N Hopkins, G. M Jones, R. F Du Shane, J Levett, H. H Allen, J. G Fyfe, A. L. and Main, J Holcombe, A. G Lemp, H Pyle, G. C Scribner, C. E Scribner, C. E Romanze, O Weston, E Pyle, G. C Willson, T. L Thomas, W. M Cain, J	July 14, 1885 July 28, 1885 Aug. 4, 1885 Aug. 11, 1885 Aug. 11, 1885 Aug. 18, 1885 Sept. 1, 1885 Sept. 1, 1885 Sept. 1, 1885 Sept. 15, 1885 Sept. 15, 1885 Sept. 15, 1885 Sept. 29, 1885 Sept. 29, 1885 Nov. 10, 1885 Nov. 10, 1885 Nov. 10, 1885 Nov. 10, 1885 June 22, 1886 Nov. 10, 1885 June 22, 1886 Nov. 17, 1885 Dec. 1, 1885 Dec. 2, 1885 Dec. 22, 1885	334,023 334,073 334,144 334,317 334,353 334,365 335,786 335,787 336,176 336,184 336,452 336,503 337,289 337,737 338,122 338,352 339,908 340,065 340,182 343,188 343,242 343,811 344,188 344,252	Jenney, J. A Gage, G. A. and Crary, C. W. Weston, E Waterhouse, F. G Dales, J. R. and Adams, E. L. Ferguson, A. C Levison, W. G Klostermann, F Tesla, N Tregoning, J Waterhouse, A. G Van Depoele, C. J Waterhouse, A. G Gérard-Léscuyer, J. M. A Wood, J. J Buckley, W. F Walther, R. and H Mayo, G. A Macdonald, D. B. and Woodman, H. W. Stupakoff, S. II Woolley, L. G Moses, O. A Jönsson, O. F Golitzinsky, Y. V. and Ryma- scheffski, P. O McCarty, N Dales, J. R. and Markland, W. H. Doriot, C Freeman, W. E	Feb. 2, 1886 Feb. 2, 1886 Feb. 9, 1886 Feb. 16, 1886 Feb. 16, 1886 Feb. 16, 1886 Feb. 16, 1886 Feb. 23, 1886 Mar. 2, 1886 Mar. 2, 1886 Mar. 16, 1886 Apr. 13, 1886 Apr. 13, 1886 Apr. 20, 1886 June 8, 1886 June 15, 1886 June 22, 1886 June 29, 1886

176. ELECTRIC LIGHTING.—102. LIGHTS—FILAMENTS AND CARBONS.

No.	NAME.	Date.	No.	NAME.	DATE.
322,993 323,319 323,372 323,500 324,193 324,981 325,257 329,670	Swan, J. W Grubbe, H. H Stanley, W., jr. and Thompson, E. P. Coultass, C Van Depoele, C. J Cabot, J. A Mackay, P. N Nieholson, S. and Bowen, H. A	Aug. 25, 1885 Sept. 1, 1885	330,586 331,663 334,142 334,146 334,853 338,542 340,397 340,402	Heisler, C. Thompson, E. P. Weston, E. Weston, E. Edison, T. A. McTighe, J. J. Weston, E. Weston, E.	Dee. 1, 1885 Jan. 12, 1886 Jan. 12, 1886 Jan. 26, 1886 Mar. 23, 1886 Apr. 20, 1886
	176. ELECTR	IC LIGHTING	.—18. Lie	HTS-1NCANDESCENT.	
321,933 322,024 322,496 322,498 323,205 323,983 324,038 324,334 325,540 325,958 326,584 326,979 327,578 331,002 331,764 333,028	Pieper, H- Van Gestel, J. and Beek, C. F- Stanley, W., jr Stern, P. K Reinmann, A. L Van Depoele, C. J Moses, O. A Moses, O. A Hess, G Moses, O. A Perkins, C. G Heiman, S Nelson, J Perkins, C. G Brush, C. F Stanley, W., jr	July 7, 1885 July 14, 1885 July 21, 1885 July 21, 1885 July 28, 1885 Aug. 11, 1885 Aug. 11, 1885 Aug. 11, 1885 Sept. 1, 1885 Sept. 8, 1885 Sept. 22, 1885 Sept. 29, 1885 Oct. 6, 1885 Dec. 24, 1885 Dec. 22, 1885	333,657 334,147 335,158 335,831 336,637 336,729 337,336 337,899 339,253 340,396 341,620 341,644 341,778 341,839 341,997 344,343	Moffatt, R. R. Weston, E Thomson, E Moses, O. A Gérard-Lésenyer, J. M. A Main, W Klein, P. H., jr Van Depoele, C. J Arnold, C. R Weston, E Woolley, L. G Edison, T. A Stieringer, L Edison, T. A Crossley, L. J. and Hicks, J. J. Buell, C. E	Feb. 23, 1886 Feb. 23, 1886 Mar. 2, 1886 Mar. 16, 1886 Apr. 6, 1886
	176. ELECTRIC	LIGHTING.—	98. Lіснт	S-Sockets and Keys.	
322,744 322,857 324,530 324,894 324,979 328,831 329,618 330,269 335,160	Moses, O. A Schaefer, F. Brown, F. M Stanley, W., jr Cabot, J. A Arnold, C. R Benton, C. H Stanley, W., jr Thomson, E	July 21, 1885 July 21, 1885 Aug. 18, 1885 Aug. 25, 1885 Aug. 25, 1885 Oct. 20, 1885 Nov. 3, 1885 Nov. 10, 1885 Feb. 2, 1886	336,191 339,217 339,218 339,714 340,400 343,313 344,417 344,692	Wightman, M. J Schaefer, F Schaefer, F Thonson, E Weston, E Heinze, L Slattery, M. M. M Thomson, E. and Riee, E. W., jr	Feb. 16, 1886 Apr. 6, 1886 Apr. 6, 1886 Apr. 13, 1886 Apr. 20, 1886 June 8, 1886 June 29, 1886 June 29, 1886
	176. ELECTRIC LIC	GHTING.—19.	Lights—S	Systems and Appliances.	
321,463 321,493 321,748 321,748 321,748 321,748 321,844 321,845 321,846 322,375 323,504 323,504 323,625 323,625 323,625 323,625 323,625 323,625 325,390 325,390 325,390 325,390 325,796 326,364 326,364 326,459 326,459 326,459 326,459 326,459 326,459 326,459 326,498 327,796	Thomson, E Haid, A Paine, W. J. and S. B Paine, W. J. and S. B Bossard, A Paine, W. J Paine, W. J Paine, W. J Paine, W. J Heysinger, I. W Young, J Holzer, W Fletcher, J. R Barnes, R. F Van Depoele, C. J Goldenberg, L Brown, H. P Brown, H. P Brown, H. P Freese, H. E Freese, H. E Freese, H. E Weston, W. S Weston, W. S Sprague, S. H Griffin, P. H Heisler, C	July 7, 1885 July 14, 1885 July 21, 1885 July 22, 1885 Aug. 4, 1885 Aug. 4, 1885 Aug. 4, 1885 Aug. 18, 1885 Sept. 1, 1885 Sept. 15, 1885	327,888 327,889 328,573 328,532 329,510 330,139 330,244 330,356 330,465 331,817 332,453 333,564 333,564 333,727 333,742 334,366 334,858 335,102 335,159 336,510 337,199 337,296 337,548 337,923	Main, W.— Main, W.— Edison, T. A Arnold, C. R Travis, C. L.— Meyer, C. W.— Lange, P.— Trotter, A. P.— Brown, H. P.— Orton, B. F Smith, C.— Harding, A Stanley, W., jr Thomas, W. M Campbell, J. H Gaillard, E. N Ferguson, A. C Guernsey, D. W Adams, J. S Thomson, E Criado, L. F Robb, J. T Bergmann, S Bacon, R. A Brown, H. P	Oct. 6, 1885 Oct. 20, 1885 Oct. 20, 1885 Nov. 3, 1885 Nov. 10, 1885 Nov. 10, 1885 Nov. 17, 1885 Nov. 17, 1885 Dec. 8, 1885 Dec. 15, 1885 Dec. 29, 1885 Jan. 5, 1886 Jan. 5, 1886 Jan. 5, 1886 Jan. 26, 1886 Jan. 26, 1886 Feb. 2, 1886 Feb. 2, 1886 Feb. 2, 1886 Feb. 16, 1886 Mar. 2, 1886 Mar. 9, 1886 Mar. 9, 1886

176. ELECTRIC LIGHTING.—19. LIGHTS—SYSTEMS AND APPLIANCES.—Continued.

No.	Name.	Date.	No.	Name.	DATE.
338,551 338,552 338,919 338,920 339,371 339,754 339,930 340,404	Reinmann, A. L. and C. F Reinmann, A. L Brady, T. H Brady, T. H Brady, T. H Foote, A. R. S Reinmann, A. L. and Ott, C. G. Weston, E	Mar. 23, 1886 Mar. 23, 1886 Mar. 30, 1886 Mar. 30, 1886 Apr. 6, 1886 Apr. 13, 1886 Apr. 13, 1886 Apr. 20, 1886	340,512 340,717 341,059 341,873 343,087 344,532 344,652	Krautz, P	Apr. 20, 1886 Apr. 27, 1886 May 4, 1886 May 18, 1886 June 1, 1886 June 29, 1886 June 29, 1886
	177. EI	LECTRIC SIGN	VALING	-I. Alarms.	
323,600 324,808 325,639 327,143 327,175 327,176 328,166 331,119 334,890 335,223	Ryman, W. P Bobrick, G. A Wood, J. J Cutten, E. B Keating, A. S Keating, A. S Williams, G. M Eaton, G. H O'Donel, I. M Hexamer, C. J	Sept. 1, 1885 Sept. 29, 1885 Sept. 29, 1885 Sept. 29, 1885 Oct. 13, 1885 Nov. 24, 1885 Jan. 26, 1886	336,078 336,773 337,067 337,116 338,935 339,094 340,441 341,694 341,926 342,709	Ball, C. E	Feb. 23, 1886 Mar. 2, 1886 Mar. 30, 1886 Mar. 30, 1886 Mar. 30, 1886 Apr. 20, 1886 May 11, 1886 May 18, 1886
	177. ELECT	RIC SIGNALIN	NG.—2. A	LARMS—BURGLAR.	
324,019 324,369 327,919 329,294 332,130 332,254	Garrett, II	Aug. 11, 1885 Aug. 18, 1885 Oct. 6, 1885 Oct. 27, 1885 Dec. 8, 1885 Dec. 15, 1885	341,460 343,372 343,868 343,869 344,358	Cross, F Hoffman, H. H Tomney, J Tomney, J Diekens, S. T	May 11, 1886 June 8, 1886 June 15, 1886 June 15, 1886 June 29, 1886
	177. ELEC	CTRIC SIGNAL	JING.—3.	Annunciators.	
323,921 325,463 327,997 330,903 331,257 331,650 333,063 335,604 336,001	Dey, C. E	Sept. 1, 1885 Oct. 13, 1885 Nov. 24, 1885 Nov. 24, 1885 Dec. 1, 1885 Dec. 22, 1885 Feb. 9, 1886	336,479 336,809 337,439 338,697 10,711 341,909 343,374 344,072 344,233	Fontaine, A. S. Holcombe, A. G. Sanford, S. J. Beers, J. L. Hess, A. T. (Reis.) Hess, A. T. Holcombe, A. G. Bailie, W. L. and Mills, G. H. Barnes, C. M.	Feb. 16, 1886 Feb. 23, 1886 Mar. 9, 1886 Mar. 30, 1886 Apr. 13, 1886 May 18, 1886 June 8, 1886 June 22, 1886 June 22, 1886
	177.—I	ELECTRIC SIG	NALING	F.—7. BELLS.	
328,982 329,782 333,614	Tirrell, J. P Steiner, J De Redon, C. F	Nov. 3, 1885	334,380 335,999 343,863	Hilton, C. H Fisher, F. E. Smith, W. C	Feb. 9, 1886
	177. EI	LECTRIC SIGN	ALING	-11. Clocks.	
322,110 324,824 325,113 327,526 327,527 327,897 327,898 328,055 328,769 330,632 330,938 330,938 332,987 333,132	Korfhage, C.—Field, F. R.—Rabe, H.—Clarke, C. L.—Clarke, C. L.—Pond, C. H.—Pond, C. H.—Pond, Field, F. R.—Spellier, L. H.—Ramel, A. and Dean, W. W.—Stevens, W. L. and Wescott, E. J. Bailey, H. L.—Kettell, J. F.—	Aug. 25, 1885 Aug. 25, 1885 Oct. 6, 1885 Oct. 6, 1885 Oct. 6, 1885 Oct. 13, 1885 Oct. 20, 1885 Nov. 17, 1885 Nov. 24, 1885 Dec. 22, 1885	333,133 334,517 334,745 334,822 335,186 335,860 336,004 337,385 337,416 337,417 337,418 337,419 337,583 337,797	Kettell, J. F. Dickinson, S. C. Carey, J. E. Sweet, W. F. Gardner, W. F. Warner, C. D. Fisher, F. E. Eastman, S. Millard, G. W. and Clarke, J. H. Himmer, V. Sweet, D. F.	Jan. 19, 1886 Jan. 26, 1886 Jan. 26, 1886 Feb. 2, 1886 Feb. 9, 1886 Mar. 9, 1886 Mar. 9, 1886 Mar. 9, 1886 Mar. 9, 1886 Mar. 9, 1886

177. ELECTRIC SIGNALING.—11. CLOCKS.—Continued.

No.	NAME.	DATE.	No.	NAME.	DATE.
990 ==9	Part C H	Man 90 1006	941.440	Const. I. E.	M 11 1000
338,773	Pond, C. H. Carey, J. E.		341,449 341,450	Carey, J. E.	May 11, 1886
339,264 339,688	Pond, C. H		10,720	Haeniehen, F. and O(Reis.)	May 11, 1886
340,483	Carey, J. E		342,086	Haeniehen, F. and O (Keis.)	May 11, 1886
341,110	Ross, J. S		343,976	Lange, P	May 18, 1886 June 15, 1886
341,111	Ross, J. S	May 4, 1886	010,010	Dange, I	June 19, 1000
	177. ELF	ECTRIC SIGNA	LING.—	26. Indicators.	
322,619	Leipner, W. A. and Brother-	July 21, 1885	332,480	Boyle, J. C	Dec. 15, 1885
0	hood, C.	9 dij 21, 1000	332,496	Cornell, G	
322,818	Grovesteen, M. W	July 21, 1885	332,905	Johnson, C. M	
324,635	Bacon, M		332,913	Lebasteur, H. and Rouart, S. H.	Dec. 22, 1885
325,520	Farnham, I. H		334,399	Walter, W. C	Jan. 12, 1886
326,028	Forster, F. E		334,960	Mason, W. B., Wescott, E. J.	
326,207	Favor, L. B. and Jaeobs, C. A -	Sept. 15, 1885		and Stevens, W. L.	,
328,205	Flint, F. W	Oct. 13, 1885	341,822	Waleher-Uysdal, R. R. v	May 11, 1886
328,592	Lord, W. H	Oct. 20, 1885	343,169	Gleason, J. J	June 8, 1886
329,830	Grovesteen. M. W	Nov. 3, 1885	344,121	Mayers, W. S.	June 22, 1886
331,463	Tirrell, J. P.	Dec. 1, 1885			
	177. ELECT	RIC SIGNALI	NG.—38.	RAILWAY SIGNALS.	
					77.1 10.1000
324,476	Mayrhofer, C. A	Aug. 18, 1885	336,190	Whited, C. W	
326,068	Timmis, I. A. and Currie, S. C. C.	Sept. 8, 1885	336,701 336,702	Cox, H. F	
327,536	Davis, W. E.	Oct. 6, 1885	337,229	Barry, C	Mov. 9 1996
327,576	Myers, F. I		338,323	Whited, C. W	Mor 93 1886
327,962	Murray, W. A.	Oct. 6, 1885	338,927	Castro, A	Mar. 30, 1886
329,478	Nieholson, H. C		341,291	Tisdale, C. D	May 4 1886
330.074	Vogel, W	Nov. 10, 1885	341,553	Clark, H. F	
331,879	Henderson, J. W	Dec. 8, 1885	341,666	Le Grande, W. W	May 11, 1886
332,431	Pease, W. M		342,499	Crandell, W. C., jr	May 25, 1886
333,178	Vogel, W		344,099	Gedge, B. H	June 22, 1886
333,665	Pevey, A		344,100	Gedge, B. H	June 22, 1886
334,167	Gardner, W. F		344,755	Stitzel, F. and Weinedel, C	
334,194	Ries, E. E				·
	177. ELE	CCTRIC SIGNA	LING.—	39. Recorders.	
			i		** ***
323,134	Faymonville, B		338,292	Pennell, L. W	
323,885	Puffer, E. R.		338,293	Pennell, L. W	
325,011	Price, W. G		338,315	Tarbox, J. E. and Taylor, E. H.	Mar. 23, 1886
329,646	Hibbard, A. S.		339,092	Frieseke, A. C	Mar. 50, 1886
329,874	Ahearn, T Scales, E. A	Nov. 10, 1885	339,381 342,013	Coffee, A. J Holtzer, C. W	May 19 1996
331,826				Tilden, J. A.	May 25, 1000
336,989	Brownson, E. S. Yale, C. O., Holman, G. F. W.		342,481	1 nden, J. A	May 29, 1880
338,009	and Barnette, W. J.	Mar. 16, 1886			
	177. ELE	CTRIC SIGNA	LING—68	. Thermostats.	
200.017	H.D. C.D.	T.) 01 100	000	D. J. (7) E.	D 20 100
322,612	Kells, C. E., jr		333,443	Bulen, G. F	Dec. 29, 1885
329,470	Martin, M		333,899	Tatham, H. B., jr	Jan. 5, 1886
329,698	Barry, J		338,090	Loomis, M	Mar. 16, 1886
332,066	Facer, W. E.		340,890	Miller, J. A	Apr. 27, 1886
333,075	Humphreville, F	Dec. 22, 1885	342,114	Martin, M	May 18, 1880
	178.	TELEGRAPH	Y.—46. A	UTOMATIC.	
200.010	Farmer M. C.	Inly 00 1005	990 550	Konny P	Apr. 6 1888
322,918	Farmer, M. G	July 28, 1885	339,558	Kenny, P Mallett, E. J	Apr. 6, 1886 June 1, 1886
329,723	Dickenson, W Wanger J F	Nov. 3, 1885	343,043	Mallett, E. J	
330,344 336,284	Munson, J. E.	Nov. 10, 1885 Feb. 16, 1886	343,044	Cuttriss, C	June 29 1886
990,20±	Donail, E	1 60. 10, 1000	344,772	Cutiliss, C ==================================	5 4410 20, 20.70
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178. TELEGRAPHY.—10. CIRCUIT CLOSERS.

No.	Name.	DATE.	No.	Name.	DATE.
322,494 323,129 325,124 327,657 329,245 331,986	Spellier, L. H Ellis, C. S Smith, A. T Clarke, C. L Weaver, E. E McCullongh, L. H	July 21, 1885 July 28, 1885 Aug. 25, 1885 Oct. 6, 1885 Oct. 27, 1885 Dee. 8, 1885	332,420 332,845 336,003 337,796 341,293	Myers, M. J. Smith, E. W. Fisher, F. E. Staus, H. F. Vanstone, S.	Dec. 15, 1885 Dec. 22, 1885 Feb. 9, 1886 Mar. 9, 1886 May 4, 1886
-	178. TEL	EGRAPHY.—4	5. Circui	rs and Systems.	
322,333 322,688 323,239 324,746 326,880	Van Rysselberghe, F Delany, P. B Van Rysselberghe, F Brown, F. H Maver, W., jr	July 14, 1885 July 21, 1885 July 28, 1885 Aug. 18, 1885 Sept. 22, 1885	329,412 332,193 335,929 337,626	Pope, F. L Duperow, M Hoyt, A. G Sellner, L	Dec. 8, 1885 Feb. 9, 1886
	178	8. TELEGRAP	HY.—48.	Duplex.	
321,992 324,799 327,097 329,477 329,956	McCarthy, L. A	July 14, 1885 Aug. 25, 1885 Sept. 29, 1885 Nov. 3, 1885 Nov. 10, 1885	333,289 333,290 337,314 344,318	Edison, T. A Edison, T. A Eils, B. E. J Jones, F. W	Dec. 29, 1885 Dec. 29, 1885 Mar. 2, 1886 June 22, 1886
		178. TELEGR	АРНҮ.—	49. Dynamo.	
329,410 329,411	Pope, F. L	Oct. 27, 1885 Oct. 27, 1885	338,343 343,953	Field, S. D	
	1	178. TELEGRA	PHY.—50	. Fire.	
322,973 323,435 329,186 329,187 329,188 329,189 329,468 329,871 331,356 331,718 333,131 333,975 334,785 334,969	Rousseau, D. Loomis, F. F. McCullough, L. H. McCullough, L. H. McCullough, L. H. McCullough, L. H. Martin, M. and Wilson, J. C. Wood, F. B. Wilson, J. C. Kettell, J. F. Keenau, W. J. and Wilson, E. M. Stern, W. A. La Bau, J. H. Milliken, G. F.	Aug. 4, 1885 Oct. 27, 1885 Oct. 27, 1885 Oct. 27, 1885 Oct. 27, 1885 Nov. 3, 1885 Nov. 3, 1885 Dec. 1, 1885 Dec. 1, 1885 Dec. 29, 1885	335,025 335,026 335,027 335,701 335,852 336,643 337,198 337,356 339,960 340,203 340,618 341,114 341,115 343,738 344,467	Gaynor, T. F Gaynor, T. F Gaynor, T. F Gaynor, T. F Holcomb, F. A Thau, H Holcombe, A. G Rebbeck, H. H Davis, D., jr. and Gale, G. F Wilson, J. C Firman, L. B Rogers, C. D Wilson, J. C Wilson, J. C Smith, J. E Wilson, J. C	Jan. 26, 1886 Jan. 26, 1886 Feb. 9, 1886 Feb. 23, 1886 Mar. 2, 1886 Mar. 2, 1886 Apr. 13, 1886 Apr. 20, 1886 Apr. 27, 1886 Apr. 27, 1886 May 4, 1886
	178. TELEGRAH	PHY.—101. Fir	E, Alarm	s and Extinguishers.	
332,638 335,372 338,593 339,043	Chase, S. A	Dec. 15, 1885 Feb. 2, 1886 Mar. 23, 1886 Mar. 30, 1886	339,485 340,210 340,724 343,687 343,691	Shaffer, W. C. Harkness, W. Morison, G. A. Baulieu, W. J. Baulieu, W. J.	
	1	78. TELEGRA	PHY.—29	. Keys.	
322,023 329,398 329,399 330,037 331,148 335,605 336,653	Thompson, H. P. Leggo, W. A. Leggo, W. A. McCambridge, P. C. F. McArthur, J. W. McNeal, A. C. Maloney, J. A. and Johnson, A. G.	Oct. 27, 1885 Nov. 10, 1885	339,909 340,134 342,157 343,469 343,742 344,430	Maloney, J. A Macready, R. A Willis, V Maloney, J. A Thompson, G. F Wilson, J. C	June 8, 1886 June 15, 1886

178. TELEGRAPHY.—30. LIGHTNING-ARRESTERS.

No.	NAME.	DATE.	No.	NAME.	DATE.
321,464 323,822 329,152	Thomson, E Mingle, G. W Elden, C. F	Aug. 4, 1885	330,054 330,486 339,417	Scribner, C. E Holt, A. J Horen, J	
	178 TF	ELEGRAPHY			
	170. 11	ELEGICATITY.	00. 11016	SE TEMISTERS.	
338,328	Wiuterhalder, L	Mar. 23, 1886	338,329	Wood, F. B	Mar. 23, 1886
	178.	TELEGRAPH	Y.—51. M	ULTIPLEX.	
222.42=	D.I. D.D.	T 1 01 100F	000,000	D. 1. D. D.	T 1 01 100F
322,427	Delany, P. B	July 21, 1885 July 21, 1885	322,696 322,808	Delany, P. B Delany, P. B	July 21, 1885
322,690 322,691	Delany, P. B		322,809	Delany, P. B	July 21, 1885 July 21, 1885
322,692	Delany, P. B	July 21, 1885	324,152	Parcelle, A. L	Aug. 11, 1885
322,694	Delany, P. B	July 21, 1885	324,153	Parcelle, A. L	Aug. 11, 1885
322,695	Delany, P. B	July 21, 1885	,	,	
	178. 7	relegraphy	7.—52. PE	ERFORATING.	
000 000	Marrie I E	0-+ 90 1005	. 220 110	Muses I.E.	D 15 1005
328,600	Munson, J. E	Oct. 20, 1885	332,419	Munson, J. E	Dec. 15, 1885
	178	. TELEGRAPH	IY.—54. I	Printing.	
901 050	Scott G. P.	Inly 7 1995	333,298	Hooly C I	Dog 20 1995
321,858 $322,689$	Scott, G. B Delany, P. B		334,294	Healy, C. L Sheehy, R. J	Dec. 29, 1885 Jan. 12, 1886
322,693	Delany, P. B. and Calahan,	July 21, 1885	335,171	Anderson, G. K.	
022,000	E. A.	July 21, 1000	335,275	Dyer, R. N	Feb. 2, 1886
325,702	Sheehv, R. J	Sept. 8, 1885	335,482	Robbins, A. C	Feb. 2, 1886
326,084	Healy, C. L		335,681	Cardwell, G. A	Feb. 9, 1886
326,989	Jordan, C. M	Sept. 29, 1885	335,682	Cardwell, G. A. and Fitch,	Feb. 9, 1886
327,911	Wirsching, A	Oct. 6, 1885	'	F. K.	· .
328,491	Judson, C. N	Oct. 20, 1885	338,344	Field, S. D	Mar. 23, 1886
328,500	McCausland, W. J	Oct. 20, 1885	339,129	Baldrige, G. W	
329,515	Van Nortwick, S. B	Nov. 3, 1885	339,312	McCausland, W. J	Apr. 6, 1886
330,238	Healy, C. L		341,654	Healy, C. L	May 11, 1886
330,239	Healy, C. L	Nov. 10, 1885	341,655	Healy, C. L	May 11, 1886
331,275 332,649	Beyerlen, A Dyer, R. N	Dec. 1, 1885 Dec. 15, 1885	341,656 343,042	Healy, C. L	May 11, 1886 June 1, 1886
	178,	TELEGRAPH	Y.—55. Qt	UADRUPLEX,	
322,739	McPherson, L. O	July 21, 1885	332,550	Nicholson, H. C	
326,637	Gardanier, G. W	Sept. 22, 1885	332,551	Nicholson, H. C	Dec. 15, 1885
326,892 329,749	Van Rysselberghe, F Larish, J. W	Nov. 3, 1885	333,291 338,996	Edison, T. A	Dec. 29, 1885 Mar. 30, 1886
331,975	Keeley, D. H. and Garvey, A.	Dec. 8, 1885	340,130	Larish, J. W	Apr. 20, 1886
001,010	A. E.	1000. 0, 1000	340,136	Maver, W., jr	Apr. 20, 1886
332,549	Nicholson, H. C	Dec. 15, 1885	340,137	Maver, W., jr	Apr. 20, 1886
	178. 7	relegraphy	7.—56. RA	ILWAY-CAR.	
002.151	D	T1 01 100F	994105	Dhelma I I	Inn 10 1000
322,474	Parrish, M. W. and M. F	July 21, 1885	334,187	Phelps, L. J.	Jan. 12, 1886
324,381	Ives, E. B. and Williams, C. W.	Aug. 18, 1885 Oct. 27, 1885	334,188 334,189	Phelps, L. J	Jan. 12, 1886 Jan. 12, 1886
329,076 : 329,077	Phelps, L. J	Oct. 27, 1885	338,439	Ray, W. F	Mar. 23, 1886
331,042	DeMier, J. R.		340,425	Cox, H. B	Apr. 20, 1886
332,336	Fee, J. D	Dec. 15, 1885	340,698	Carlile, G, F	Apr. 27, 1886
334,186	Phelps, L. J.	Jan. 12, 1886	343,095	Williams, C. W	June 1, 1886
	1	78, TELEGRA	PHY.—63.	. Reed.	
329,386	Gray, E		4		Oct. 27, 1885
	,,				<u> </u>

178. TELEGRAPHY.—41. RELAYS AND SOUNDERS.

No.	NAME.	DATE.	No.	NAME.	DATE,
323,663	Gilliland, J. F.	Aug. 4, 1885	337,272	Ludwig, J. C	Mar. 2, 1886
330,271	Stewart, G. W	Nov. 10, 1885	342,576	Chase, S. A	May 25, 1886
330,635	Stewart, G. W		343,468	Maloney, J. A Stewart, G. W	June 8, 1886
334,185 334,871	Phelps, L. J Keating, A. S	Jan. 12, 1886 Jan. 26, 1886	344,505	Stewart, G. W	June 29, 1880
			W 140 D		
	178.	TELEGRAPH	1.—42. K	EPEATERS.	
331,250 337,590	Miner, W. M Kölzer, J	Nov. 24, 1885 Mar. 9, 1886	339,449	Maver, W., jr	Apr. 6, 1886
	178. T	ELEGRAPHY	.—69. Tr.	ANSMITTERS.	
000 001	D.II. G.W	N 80 1000	0.14.0=1	C 111 T C	T 00 1000
338,691 338,757	·Baldrige, G. W	Mar. 30, 1886 Mar. 30, 1886	344,351	Crandall, L. S	June 29, 1886
	179. TELI	EPHONY.—82.	Anti-Ind	UCTION DEVICES.	
322,724	Jackson, W. A. and Chambers,	July 21, 1885	322,727	Jaekson, W. A. and Chambers,	July 21, 1885
322,725	J. C. Jackson, W. A. and Chambers, J. C.	July 21, 1885	322,728	J. C. Jaekson, W. A. and Chambers, J. C.	July 21, 1885
322,726	Jackson, W. A. and Chambers, J. C.	July 21, 1885	343,014	Dann, J. E. and Lapp, J.	June 1, 1886
	179. TELEP	HONY.—81. C	ONDUCTOR	s, Anti-Inductive.	
322,385	Kruesi, J	July 14, 1885	327,486	Spalding, H. C	Sept. 29, 1885
325,630	Rae, F. B		327,487	Spalding, H. C	Sept. 29, 1885
327,459	Spalding, H. C	Sept. 29, 1885	327,488	Spalding, H. C	Sept. 29, 1885
327,461 327,464	Spalding, H. C	Sept. 29, 1885	327,489 327,490	Spalding, H. C	Sept. 29, 1885 Sept. 29, 1885
327,466	Spalding, H. C Spalding, H. C	Sept. 29, 1885	327,492	Spalding, H. C	Sept. 29, 1885
327,472	Spalding, H. C	Sept. 29, 1885	327,494	Spalding, H. C	Sept. 29, 1885
327,473 327,476	Spalding, H. C	Sept. 29, 1885	327,495 327,496	Spalding, H. C	Sept. 29, 1885
327,470	Spalding, II. C	Sept. 29, 1885	327,497	Spalding, H. C	Sept. 29, 1885 Sept. 29, 1885
327,484	Spalding, H. C.	Sept. 29, 1885	340,931	Brooks, D., jr	Apr. 27, 1886
327,485	Spalding, H. C	Sept. 29, 1885	343,676	Shelbourne, S. F	June 15, 1886
	179. TE	LEPHONY.—5	7. TELEPH	HONES—CALLS.	
326,158	Sargent, F. G	Sept. 15, 1885	336,562	Gilliland, E. T	Feb. 23, 1886
328,148	Smith, C. A	Oct. 13, 1885	336,972	Wilson, J. C	Mar. 2, 1886
328,578 332,567	Farnham, I. H Stephen, J		339,718 340,708	Warner, E. P Edison, T. A	Apr. 13, 1886 Apr. 27, 1886
334,390	Kinsman, J. H	Jan. 12, 1886	340,912	Glass, G. H. and Clark, W	Apr. 27, 1886
336,002 336,095	Fisher, F. E. Davis, A. W. S		342,340	Dudley, W. J	May 25, 1886
	179. TEL	EPHONY.—58.	ТЕГЕРН	ones—Details.	
322,295	Jones, W. and Reynolds, W. W.	July 14, 1885	337,753	Dowling, N	Mar. 9, 1886
327,393	Harrison, C. A	Sept. 29, 1885	337,972		Mar. 16, 1886
329,732	Godfrey, J Johnson, F. G	Nov. 3, 1885	339,766	Hastings, H. N	Apr. 13, 1886
329,909 336,329	Johnson, F. G. Lavery, G. L.	Nov. 10, 1885 Feb. 16, 1886	341,519 342,477		May 11, 1886 May 25, 1886
	179. TEL	EPHONY.—59.	Тегерно	NES—ELECTRIC.	
		Aug. 18, 1885	324.729	Perrin, T. J	Aug. 18, 1885
324,726 324,727 324,728	Perrin, T. J Perrin, T. J Perrin, T. J	Aug. 18, 1885	324,729 325,660 326,269	Perrin, T. J Dolbear, A. E	

179. TELEPHONY.—59. TELEPHONES—ELECTRIC.—Continued.

No.	Name.	Date.	No.	Name.	DATE.	
327,625 327,837 329,001 329,030 329,327 329,983 329,984 330,879 331,052 331,052 331,052 331,052 335,501 335,502 335,501 335,502 335,511 335,522 335,791 335,806 336,081 336,082 336,203	Waite, H. E.— Thompson, S. P.— McLaughlin, J. F.— Beedy, S. E.— Edison, T. A. Marston, Du P. F. West, W. A. West, W. A. Emmner, J., jr Gillett, W.— Lockwood, W. C.— Bonta, J. W.— McLaughlin, J. F. Keller, A. K. and Lyou, E. H. Burnley, W.— Burnley, W.— Dowling, N.— Dowling, N.— Houlehan, J. Alabaster, H. and Gatehouse, T. E. Freeman, W. P.— Bell, C. A.—	Oct. 27, 1885 Oct. 27, 1885 Oct. 27, 1885 Nov. 10, 1885 Nov. 10, 1885 Nov. 24, 1885 Dec. 1, 1885 Jan. 5, 1886 Feb. 2, 1886 Feb. 9, 1886 Feb. 9, 1886 Feb. 9, 1886 Feb. 9, 1886 Feb. 16, 1886 Feb. 16, 1886	336,268 336,744 336,876 336,877 337,254 338,263 338,491 339,491 339,501 339,501 339,745 340,853 341,214 341,259 341,263 341,264 341,277 341,579 342,775 344,153	Thornberry, H. S. Randall, C. A. Turnbull, W. C. Bergmann, S. Edison, T. A. aud Bergmann, S. Guthrie, J. T. Dann, J. E. and Lapp, J. Dann, J. E. and Lapp, J. Dann, J. E. and Lapp, J. Turnbull, W. C. Thompson, S. P. and Jolin P. Thompson, S. P. Drawbaugh, D. Berliner, E. Bell, C. A. and Tainter, S. Marshall, W. McLaughlin, J. F. McLaughlin, J. F. Tainter, S. Johnson, E. H. Beale, A. Barrier, J. J. and De Lavernéde, F. T. Berliner, E.	Feb. 23, 1886 Feb. 23, 1886 Feb. 23, 1886 Mar. 2, 1886 Mar. 2, 1886 Mar. 23, 1886 Mar. 23, 1886 Mar. 23, 1886 Mar. 23, 1886 Apr. 6, 1886 Apr. 6, 1886 Apr. 13, 1886 Apr. 13, 1886 May 4, 1886 May 1, 1886 May 1, 1886 May 11, 1886	
	179. TELJ	EPHONY.—60.	Тесерно	NES-MAGNETIC.		
322,884 323,311 326,268 326,675 329,083 329,084 329,985 329,982 333,932	Fuller, J. E Fortier, C. L Burnley, W Rogers, J. H. and J. W Robertson, J. H Robertson, J. H Robertson, J. H West, W. A Dowling, N	Oct. 27, 1885 Oct. 27, 1885 Oct. 27, 1885 Nov. 10, 1885	337,232 339,500 341,000 341,370 343,334 343,449 344,067 344,333	Bergmann, S Thompson, S. P Guthrie, J. T Brown, F. H McLaughlin, J. F Gilliland, E. T Turnbull, W. C Turnbull, W. C	June 8, 1886 June 8, 1886	
	179. TELE	PHONY.—61. T	relephon	ES-MECHANICAL.		
321,960 322,294 324,356 325,500 326,458 327,940 328,258 333,044 333,285 334,069	Freeto, J. H Iske, A Black, W. T Cleaver, J. B Seligman, H Gilliland, J. F Shaw, F. R Williamson, M. B Davis, A. W. S Bentley, C. D	July 14, 1885 Aug. 18, 1885 Sept. 1, 1885 Sept. 15, 1885 Oct. 6, 1885 Oct. 13, 1885 Dec. 22, 1885 Dec. 29, 1885	335,321 336,640 336,731 338,620 338,983 338,994 338,995 342,395 342,468	Taylor, W Hall, A. W Middleton, R. O Steiger, A. W Lamont, H Maloney, J. A Maloney, J. A Shaver, G. F Seligmau, H	Feb. 23, 1886 Feb. 23, 1886 Mar. 23, 1886 Mar. 30, 1886 Mar. 30, 1886 Mar. 30, 1886 May 25, 1886	
	179. TELEI	PHONY.—62. T	ELEPHON:	es-Radiophones.		
341,213	Bell, A. G. and C. A., and Tain	ter, S			May 4, 1886	
	179. TELEPHON	Y.—77. TELEPI	HONES-R	ELAYS AND REPEATERS.		
325,920 340,707	Farmer, M. GEdison, T. A	Sept. 8, 1885 Apr. 27, 1886	342,881	Shelbourne, S. F	June 1, 1886	
	179. TELI	EPHONY.—100.	. Тегери	ONES—SUPPORTS.	-	
327,692					Oct. 6, 1885	

179. TELEPHONY.—85. TELEPHONES—SWITCH-BOARDS.

No.	Name.	Date.	No.	Name.	DATE.
323,182 330,644	Mather, A. C. Vail, T. N	July 28, 1885 Nov. 17, 1885	331,955 339,626	Ford, W. S.——————————————————————————————————	Dec. 8, 1885 Apr. 13, 1886
	179. TEL	EPHONY.—71.	Тегерно	NES-SWITCHES.	
322,122 324,358 324,678 326,610 328,702	Perrin, T. J Cabot, J. A Gilliland, E. T Whitlock, C. and Knapp, A. C McLaughlin, J. F	July 14, 1885 Aug. 18, 1885 Aug. 18, 1885 Sept. 22, 1885 Oct. 20, 1885	330,064 338,889 338,938 340,028 340,709	Scribner, C. E Turnbull, W. C De St. Aubin, C. A. A. T Blattau, J. A. and Boyden, G. A Edison, T. A. and Gilliland, E. T.	Nov. 10, 1885 Mar. 30, 1886 Mar. 30, 1886 Apr. 13, 1886 Apr. 27, 1886
	179.—TEI	LEPHONY.—64	. Тегерн	ones—Systems.	
321,553 322,835 323,269 324,248 324,591 325,659 325,952 327,073 328,243 328,305 328,618 330,056 330,057 330,059 330,060 330,061 330,061	Warner, J. C. Low, A. H. Brooks, M. and Mason, H. R. Goodwin, H. K. Price, C. W. and Barrett, A. Dolbear, A. E. Mead, C. K. Edmunds, H. and Howard, C. T. Moore, G. W. and Culbertson, J. N. Firman, L. B. Sonne, C. C. Scribner, C. E.	July 7, 1885 July 21, 1885 July 22, 1885 Aug. 11, 1885 Aug. 18, 1885 Sept. 8, 1885 Sept. 8, 1885 Sept. 29, 1885 Oct. 13, 1885 Oct. 13, 1885 Oct. 20, 1885 Nov. 10, 1885	330,063 330,065 330,066 330,066 330,368 330,763 331,186 332,012 333,014 333,167 335,436 335,588 336,083 336,173 336,563 339,625 339,627 340,911	Scribner, C. E. Scribner, C. E. Scribner, C. E. Scribner, C. E. Seely, J. A. Barbier, R. P. Wood, J. B. Davis, J. P. Seely, J. A. Houlehan, J. Scribner, C. E. Doolittle, T. B. Jackson, C. A. Bell, C. A. Tainter, S. Gilliland, E. T. Doolittle, T. B. Doolittle, T. B. Glass, G. H. and Clark, W.	Dec. 29, 1885 Feb. 2, 1886 Feb. 9, 1886 Feb. 16, 1886 Feb. 23, 1886 Apr. 13, 1886 Apr. 13, 1886
	179. TELEPHO	NY.—99. TELE	PHONES-	Systems—Automatic.	
324,191 324,192	Vail, T. N Vail, T. N	Aug. 11, 1885 Aug. 11, 1885	334,014 335,708	Gilliland, E. TLockwood, T. D	

APPENDIX No. V.

PART II.

CONSISTING OF A

NUMERICAL AND CHRONOLOGICAL INDEX OF ALL PATENTS

RELATING TO

ELECTRICITY

Issued from July 1, 1885, to June 30, 1886, inclusive, giving names of Inventors, numbers and dates of Patents, and the sub-class to which each belongs.



NUMERICAL INDEX

OF

PATENTS RELATING TO ELECTRICITY

FROM JULY 1, 1885, TO JUNE 30, 1886.

No. Name. Class. 321,426 Ells, J. W Valve-controllers 321,446 Orne, C. P Batteries, galvanic 321,461 Thomson, E Systems of distribution 321,463 Thomson, E Lights, systems and appliances 321,464 Thomson, E Lightning-arresters	
321,446 Orne, C. P Batteries, galvanic 321,461 Thomson, E Systems of distribution 321,463 Thomson, E Lights, systems and appliances	
321,446 Orne, C. P Batteries, galvanic 321,461 Thomson, E Systems of distribution 321,463 Thomson, E Lights, systems and appliances	
321,446 Orne, C. P Batteries, galvanic 321,461 Thomson, E Systems of distribution 321,463 Thomson, E Lights, systems and appliances	
321,461 Thomson, E Systems of distribution Systems and appliances Lights, systems and appliances	July 7, 1885
321,464 Thomson, E Lightning-arresters	July 7, 1885
321,493 Haid, A Lights, systems and appliances	
321,553 Warner, J. C Telephones, systems	
321,599 Hathaway, T. H Applications, general	
321,646 Jones, E Magneto-electric Insulators	
321,646 Schoonmaker, E. T. Insulators Lights, systems and appliances Lights, systems and appliances	
321,749 Paine, W. J. and S. B	July 7, 1885
321,759 Sellon, J. S.	
321,788 Bossard, A Lights, systems and appliances	July 7, 1885
321,843 Paine, W. Jdododo	
321,844 Paine, W. Jdodo	
321,845 Paine, W. J	
321,846 Paine, W. J	
321,858 Scott, G. B Telegraphy, printing	July 7, 1885
321,865 Teggart, J Conductors, underground	
321,917 Starr, E. T	
321,933 Pieper, H Lights, incandescent Locomotion	
321,934 Siemens, E. W. Locomotion	
321,960 Freeto, J. H Telephones, mechanical	July 14, 1885
321,990 Mather, R. H Magneto-electric	July 14, 1885
321,991 Mather, R. Hdo	
321,992 McCarthy, L. A. Telegraphy, duplex	July 14, 1885
322.018 Smith, W. D'B, and Milliken, F. J. Conductors, underground	July 14, 1885
322,023 Thompson, H. P. Keys	
322,024 Van Gestel, J. and Beck, C. F. Lights, incandescent	
322,030 Williams, J. R — Applications, general Lights, are — Lights, are	July 14, 1885 July 14, 1885
322,033 Beek, C. F Lights, are Clocks Clocks	
322,115 Lever, C Lights, arc	
322,122 Perrin, T. J	
322,138 Thomson, E Systems of distribution	July 14, 1885
322,139 Thomson, Edo	
322,169 Farmer, M. G Electrolysis	
322,170 Farmer, M. G	
322,214 Vail, T. N	
322,230 Whitney, E. R Magneto-electric ————————————————————————————————————	July 14, 1885 July 14, 1885
322,294 Iske, A Telephones, mechanical	July 14, 1885
322,295 Jones, W. and Reynolds, W. W. Telephones, details	July 14, 1885
322,296 Knabe, E., jr Motors	
322,310 Ruset, C. F. Magneto-electric Magneto-electric	July 14, 1885
322,317 Peirce, W. E Magnetic locks and bolts	
322,333 Van Rysselberghe, F Telegraphy, circuits and systems	
322,335 Wetmore, J. A Applications, tools and machines	July 14, 1885
322,375 Heysinger, I. W Lights, systems and appliances Locomotion Locomotion	July 14, 1885
322,385 Kruesi, J Conductors, anti-inductive	
322,427 Delany P. B Telegraphy, multiplex	July 21, 1885
322,474 Parrish, M. W. and M. F Telegraphy, railway-car	July 21, 1885
322,493 Sorgue, P Conductors	July 21, 1885
322,494 Spellier, L. H Circuit-closers	July 21, 1885
322,496 Stanley, W., jr Lights, incandescent Lights, incandescent	July 21, 1885
322,498 Stern, P. K. do. do. do. do. do. do. do. do. do. do	July 21, 1885

No. NAME				
1.	No.	Name.	Class.	DATE.
September Sept				
September Sept				
222,629 Dosei, D. H. Conductors, underground July 21, 1855 322,010 Lelpnor, W. A. and Brotherhood, C. Indicators July 21, 1855 322,010 Lelpnor, W. A. and Brotherhood, C. Indicators July 21, 1855 322,018 Casey, F. A. A. Magnetic looks and bults July 21, 1855 322,018 Casey, F. A. Telegraphy, printing July 21, 1855 322,020 Delany, P. B. Telegraphy, multiplex July 21, 1855 322,020 Delany, P. B. Telegraphy, multiplex July 21, 1855 322,020 Delany, P. B. do July 21, 1855 322,020 Delany, P. B. do July 21, 1855 322,020 Delany, P. B. Telegraphy, multiplex July 21, 1855 322,020 Delany, P. B. Telegraphy, printing July 21, 1855 322,020 Delany, P. B. Telegraphy, printing July 21, 1855 322,020 Delany, P. B. Telegraphy, printing July 21, 1855 322,020 Delany, P. B. Telegraphy, printing July 21, 1855 322,020 Delany, P. B. Telegraphy, printing July 21, 1855 322,020 Delany, P. B. Telegraphy, printing July 21, 1855 322,020 July 22, 1855 322,020 July 24, 1855 322,220 July 24,				
Segund Casery T. A. Magnetic focks and botts July 21, 1855 322,019 Lelpene W. A. and Brotherhood, C. Indicators and systems July 21, 1885 322,018 Delany, P. B. Telegraphy, circuits and systems July 21, 1885 322,028 Delany, P. B. Telegraphy, circuits and systems July 21, 1885 322,029 Delany, P. B. Telegraphy, circuits and systems July 21, 1885 322,029 Delany, P. B. Telegraphy, circuits and systems July 21, 1885 322,029 Delany, P. B. do	200 500	Descatt D H	Conductors underground	July 21, 1885
222,681 Casey, T. A. Magnetic locks and bolts		Kells C E ir	Thermostats	July 21, 1885
222,681 Casey, T. A. Magnetic locks and bolts		Leipner, W. A. and Brotherhood, C	Indicators	July 21, 1885
September Sept	322,681	Casey, T. A	Magnetic locks and bolts	July 21, 1885
September Sept		Delany, P. B	Telegraphy, circuits and systems	July 21, 1885
Delany F. B.	322,689	Delany, P. B	Telegraphy, printing	July 21, 1885
S22,692 Delany, P. B.		Delany, P. B	Telegraphy, multiplex	July 21, 1885
222,693 Delany, P. B. and Calahan, E. A. Telegraphy, printing July 21, 1855 222,695 Delany, P. B. Telegraphy, and the property of the property o		Delany, P. B	ao	July 21, 1885 Index 21, 1885
222,940 Delany, P. B.		Delany P B and Calaban E A	Telegraphy printing	July 21, 1885
322,665 Delany, P. B.		Delany, P. B	Telegraphy, multiplex	July 21, 1885
222,969 Delany, P. B.		Delany, P. B	do	July 21, 1885
322,726	322,696	Delany, P. B	do	July 21, 1885
322,726		Jackson, W. A. and Chambers, J. C	Anti-induction devices	July 21, 1885
322,727 Jackson, W. A. and Chambers, J. C	322,725	Jackson, W. A. and Chambers, J. C	do	July 21, 1885
322,728		Jackson, W. A. and Chambers, J. C.	do	July 21, 1885
322,749 Moses, O. A. Lights, sockets and keys July 21, 1885 322,745 Nicolaus, E. B. Cut-outs, mechanical July 21, 1885 322,808 Delany, P. B. Telegraphy, multiplex July 21, 1885 322,809 Delany, P. B. Telegraphy, multiplex July 21, 1885 322,809 Delany, P. B. Telegraphy, multiplex July 21, 1885 322,809 Delany, P. B. Telegraphy, multiplex July 21, 1885 322,809 Delany, P. B. Telegraphy, multiplex July 21, 1885 322,809 Delany, P. B. Telegraphy, multiplex July 21, 1885 322,809 Delany, P. B. Telegraphy, multiplex July 21, 1885 322,809 Delany, P. B. Telegraphy, multiplex July 21, 1885 322,800 Delany, P. B. Telegraphy, multiplex July 21, 1885 July 21, 1885 Delany, P. B. Telegraphy, multiplex July 21, 1885 July 21, 1885 Delany, P. B. Telegraphy, multiplex July 21, 1885 Jul		Tackson W A and Chambers I C	do	July 21, 1885
222,744 Moses, O. A	399 730	McPherson, L. O.	Telegraphy, quadruplex	July 21, 1885
1922,465 Delany, P. B.	322,744	Moses, O. A	Lights, sockets and keys	July 21, 1885
222,808 Delany, P. B	322,745	Nicolaus, E. B.	Cut-outs, mechanical	July 21, 1885
322,818 Grovesteen, M. W.	322,808	Delany, P. B	Telegraphy, multiplex	July 21, 1885
122,855 Low, A. II		Delany, P. B	do	July 21, 1885
322,857 Schnefer, F		Grovesteen, M. W.	Indicators	July 21, 1885
322,855 Siemens, E. W.		Low, A. II	Lights gookste and how	July 21, 1889
222,848	322,507	Siemens E W -	Locomotion	July 21, 1885
222,955 Barton, G. D.		Fuller, J. E:	Telephones, magnetic	July 21, 1885
222,900 Castro, A. Steering and propulsion July 28, 1885 322,916 Daft, L. Transmission of power July 28, 1885 322,918 Daft, L. Transmission of power July 28, 1885 322,918 Farmer, M. G. Telegraphy, attomatic July 28, 1885 322,918 Rousseau, D. Telegraphy, fire. July 28, 1885 322,933 Swan, J. W. Lights, filaments and carbons July 28, 1885 323,055 McGrory, T. Insulators July 28, 1885 323,055 McGrory, T. Insulators July 28, 1885 323,055 McGrory, T. Insulators July 28, 1885 323,105 Bradley, S. Lighting-rods July 28, 1885 323,105 Bradley, S. Lighting-rods July 28, 1885 323,128 Bollmann, L. Magneto-electric July 28, 1885 323,138 Faymonville, B. Recorders July 28, 1885 323,138 Faymonville, B. Recorders July 28, 1885 323,135 Holzer, W. Lights, systems and appliances July 28, 1885 323,196 Holzer, W. Lights, systems and appliances July 28, 1885 323,199 Pendleton, J. M. Locomotion July 28, 1885 323,293 Reimmann, A. L. Lights, incandescent July 28, 1885 323,231 Walter, W. Conductors, underground July 28, 1885 323,231 Walter, W. Conductors, underground July 28, 1885 323,231 Walter, W. Conductors, underground July 28, 1885 323,241 Walter, W. Conductors, underground July 28, 1885 323,341 Fortier, C. L. Telephones, systems July 28, 1885 323,341 Fortier, C. L. Telephones, systems July 28, 1885 323,341 Fortier, C. L. Telephones, systems July 28, 1885 323,341 Fortier, C. L. Telephones, systems July 28, 1885 323,341 Fortier, C. L. Telephones, systems July 28, 1885 323,341 Fortier, C. L. Telephones, systems July 28, 1885 323,341 Fortier, C. L. Telephone		Burton, G. D	Lights, are	July 28, 1885
292.916 Daft, L		Castro, A	Steering and propulsion	July 28, 1885
222,918 Farmer, M. G				
Rousseau, D				
Section Sect				July 28, 1885
232,055 McGrory, T			Lighte filaments and earlying	July 28, 1889
323,059 Moffatt, R. R. Regulators July 28, 1885 323,108 Bollmann, L Magneto-electric July 28, 1885 323,129 Bullis, C. S. Circuit-closers July 28, 1885 323,138 Faymonville, B Recorders July 28, 1885 323,138 Gassett, O Locomotion July 28, 1885 323,150 Holzer, W Lights, systems and appliances July 28, 1885 323,199 Pendleton, J. M Locomotion July 28, 1885 323,190 Pendleton, J. M Locomotion July 28, 1885 323,290 Pratt, R. J Galvanometers July 28, 1885 323,290 Van Rysselberghe, F Telegraphy, circuits and systems July 28, 1885 323,240 Walter, W Conductors, underground July 28, 1885 323,240 Warren, A. G Connectors July 28, 1885 323,340 Warren, A. G Connectors July 28, 1885 323,340 Brooks, M. and Mason, H. R Telephones, systems July 28, 1885 323,360 Orton, B. F Deprice July		McGrory T	Insulators	
Bradley S				
233,129 Ellis, C.S. Circuit-closers July 28, 1885		Bradley, S	Lightning-rods	July 28, 1885
223,134			Magneto-electric	July 28, 1885
323,188 Gassett, O		Ellis, C. S.	Circuit-closers	
233,150 Holzer, W		Canatt O	Lecondian	
323,182 Mather, A. C				
23,199 Pendleton, J. M		Mather, A. C	Telephones, switch-boards	July 28, 1885
232,252 Reimann, A. L. Lights, incandescent. July 28, 1885		Pendleton, J. M	Locomotion	July 28, 1885
323,239				
323,243 Watren, M. G		Reinmann, A. L.	Lights, incandescent	July 28, 1885
323,243 Warren, A. G.		Van Kysselberghe, F	Conductor, pudarenand	July 28, 1885
323,269 Brooks, M. and Mason, H. R				
323,311 Fortier, C. L				
323,319 Grubbe, H. H				
323,361 Orton, B. F	323,319	Grubbe, H. H	Lights, filaments aud carbons	July 28, 1885
323,363 Orton, B. F	323,361	Orton, B. F	Magneto-electric	July 28, 1885
323,372 Stanley, W., jr., and Thompson, E. P. Lights, filaments and carbons. July 28, 1885 323,455 Loomis, F. F. Telegraphy, fire Aug. 4, 1885 323,459 Sprague, F. J. Locomotion Aug. 4, 1885 323,460 Sprague, F. J. Motors Aug. 4, 1885 323,540 Van Depoele, C. J. Regulators Aug. 4, 1885 323,500 Coultass, C. Lights, filaments and carbons Aug. 4, 1885 323,514 Majert, W. Electrolysis Aug. 4, 1885 323,516 Mather, R. H. Lights, systems and appliances Aug. 4, 1885 323,600 Ryman, W. P. Alarms Aug. 4, 1885 323,625 Barnes, R. F. Lights, systems and appliances Aug. 4, 1885 323,650 Farmer, M. G. Regulators Aug. 4, 1885 323,651 Farmer, M. G. Regulators Aug. 4, 1885 323,653 Farmer, M. G. Heaters Aug. 4, 1885 323,653 Farmer, M. G. Heaters Aug. 4, 1885 323,653 Farmer, M. G. Heaters Aug. 4, 1885 323,653 Farmer, M. G.				
323,455 Loomis, F. F. Telegraphy, fire Aug. 4, 1885		Orton, B. F.	Lights filaments and sarbons	July 28, 1885
323,459 Sprague, F. J		Loomis F F	Talagraphy fire	July 28, 1885
323,460 Sprague, F. J. Motors Aug. 4, 1885 323,470 Van Depoele, C. J. Regulators Aug. 4, 1885 323,500 Coultass, C. Lights, filaments and carbons Aug. 4, 1885 323,504 Fletcher, J. R. Lights, systems and appliances Aug. 4, 1885 323,514 Majert, W. Electrolysis Aug. 4, 1885 323,516 Mather, R. H. Lights, are Aug. 4, 1885 323,600 Ryman, W. P. Alarms Aug. 4, 1885 323,625 Barnes, R. F. Lights, systems and appliances Aug. 4, 1885 323,650 Farmer, M. G. Regulators Aug. 4, 1885 323,651 Farmer, M. G. Regulators Aug. 4, 1885 323,652 Farmer, M. G. Heaters Aug. 4, 1885 323,653 Farmer, M. G. Motors Aug. 4, 1885 323,653 Farmer, M. G. Aug. 4				
323,470 Van Depoele, C. J Regulators Aug. 4, 1885 323,500 Coultass, C Lights, filaments and carbons Aug. 4, 1885 323,504 Fletcher, J. R Lights, systems and appliances Aug. 4, 1885 323,514 Majert, W Electrolysis Aug. 4, 1885 323,516 Mather, R. H Lights, are Aug. 4, 1885 323,600 Ryman, W. P Alarms Ang. 4, 1885 323,625 Barnes, R. F Lights, systems and appliances Aug. 4, 1885 323,650 Farmer, M. G Regulators Aug. 4, 1885 323,651 Farmer, M. G Heaters Aug. 4, 1885 323,652 Farmer, M. G Heaters Aug. 4, 1885 323,653 Farmer, M. G Motors Aug. 4, 1885 323,653 Farmer, M. G Aug. 4, 1885 323,653 Farmer, M. G Aug. 4, 1885 323,653 Farmer, M. G Aug. 4, 1885 323,655 Henderson, J. C Locomotion Aug. 4, 1885 323,675 Henderson, J. C Locomotion Aug. 4, 1885 323,822 Mingle, G. W Lightning-arresters Aug. 4, 1885 4, 1885 4, 1885 Aug. 4, 1885 4, 1885		Sprague, F. J.	Motors	Aug. 4, 1885
323.504 Fletcher, J. R Lights, systems and appliances Aug. 4, 1885 323,514 Majert, W. Electrolysis Aug. 4, 1885 323,516 Mather, R. H Lights, are Aug. 4, 1885 323,600 Ryman, W. P Alarms Ang. 4, 1885 323,625 Barnes, R. F Lights, systems and appliances Aug. 4, 1885 323,650 Farmer, M. G Regulators Aug. 4, 1885 323,651 Farmer, M. G Heaters Aug. 4, 1885 323,652 Farmer, M. G Motors Aug. 4, 1885 323,653 Farmer, M. G Aug. 4, 1885 323,653 Farmer, M. G Relays and sounders Aug. 4, 1885 323,663 Galliland, J. F Relays and sounders Aug. 4, 1885 323,675 Henderson, J. C Locomotion Aug. 4, 1885 323,822 Mingle, G. W Lightning-arresters Aug. 4, 1885		Van Depoele, C. J	Regulators	Aug. 4, 1885
323,514 Majert, W. Electrolysis Aug. 4, 1885 323,516 Mather, R. H Lights, are Aug. 4, 1885 323,600 Ryman, W. P Alarms Ang. 4, 1885 323,625 Barnes, R. F Lights, systems and appliances Aug. 4, 1885 323,650 Farmer, M. G Regulators Aug. 4, 1885 323,651 Farmer, M. G Heaters Aug. 4, 1885 323,652 Farmer, M. G Motors Aug. 4, 1885 323,653 Farmer, M. G do Aug. 4, 1885 323,663 Farmer, M. G Relays and sounders Aug. 4, 1885 323,675 Henderson, J. C Locomotion Aug. 4, 1885 323,829 Mingle, G. W Lightning-arresters Aug. 4, 1885		Coultass, C	Lights, filaments and carbons	Aug. 4, 1885
323,516 Mather, R. H Lights, are Aug. 4, 1885 323,600 Ryman, W. P Alarms Ang. 4, 1885 323,625 Barnes, R. F Lights, systems and appliances Aug. 4, 1885 323,650 Farmer, M. G Regulators Aug. 4, 1885 323,651 Farmer, M. G Heaters Aug. 4, 1885 323,652 Farmer, M. G Motors Aug. 4, 1885 323,653 Farmer, M. G -do Aug. 4, 1885 323,663 Gilliland, J. F Relays and sounders Aug. 4, 1885 323,675 Henderson, J. C Locomotion Aug. 4, 1885 323,822 Mingle, G. W Lightning-arresters Aug. 4, 1885		Fletcher, J. R	Lights, systems and appliances	Aug. 4, 1885
323,600 Ryman, W. P Alarms Ang. 4, 1885 323,625 Barnes, R. F Lights, systems and appliances Aug. 4, 1885 323,650 Farmer, M. G Regulators Aug. 4, 1885 323,651 Farmer, M. G Heaters Aug. 4, 1885 323,652 Farmer, M. G Motors Aug. 4, 1885 323,653 Farmer, M. G Aug. 4, 1885 323,663 Gilliand, J. F Relays and sounders Aug. 4, 1885 323,675 Henderson, J. C Locomotion Aug. 4, 1885 323,822 Mingle, G. W Lightning-arresters Aug. 4, 1885				
323,625 Barnes, R. F. Lights, systems and appliances Aug. 4, 1885 323,650 Farmer, M. G Regulators Aug. 4, 1885 323,651 Farmer, M. G Heaters Aug. 4, 1885 323,652 Farmer, M. G Motors Aug. 4, 1885 323,653 Farmer, M. G Aug. 4, 1885 323,663 Gilliland, J. F Relays and sounders Aug. 4, 1885 323,675 Henderson, J. C Locomotion Aug. 4, 1885 323,822 Mingle, G. W Lighttning-arresters Aug. 4, 1885				
323,650 Farmer, M. G Regulators Aug. 4, 1885 323,651 Farmer, M. G Heaters Aug. 4, 1885 323,652 Farmer, M. G Motors Aug. 4, 1885 323,653 Farmer, M. G -do Aug. 4, 1885 323,663 Gilliland, J. F Relays and sounders Aug. 4, 1885 323,675 Henderson, J. C Locomotion Aug. 4, 1885 323,822 Mingle, G. W Lightning-arresters Aug. 4, 1885		Barnes, R. F	Lights, systems and appliances	Aug. 4, 1885
323,651 Farmer, M. G Heaters Aug. 4, 1885 323,652 Farmer, M. G Motors Aug. 4, 1885 323,653 Farmer, M. G do Aug. 4, 1885 323,653 Farmer, M. G Relays and sounders Aug. 4, 1885 323,675 Henderson, J. C Locomotion Aug. 4, 1885 323,822 Mingle, G. W Lightning-arresters Aug. 4, 1885		Farmer, M. G	Regulators	Aug. 4, 1885
323,652 Farmer, M. G Motors Aug. 4, 1885 323,653 Farmer, M. G do Aug. 4, 1885 323,663 Gilliland, J. F Relays and sounders Aug. 4, 1885 323,675 Henderson, J. C Locomotion Aug. 4, 1885 323,822 Mingle, G. W Lightning-arresters Aug. 4, 1885	323,651	Farmer, M. G	Heaters	Aug. 4, 1885
323,663 Gilliland, J. F. Relays and sounders Aug. 4, 1885 323,675 Henderson, J. C. Locomotion Aug. 4, 1885 323,822 Mingle, G. W. Lightning-arresters Aug. 4, 1885	323,652	Farmer, M. G	Motors	Aug. 4, 1885
323,675 Henderson, J. C		Farmer, M. G	do	Aug. 4, 1885
323.822 Mingle, G. W Lightning-arresters Aug. 4, 1885		Handerson T. C.	Relays and sounders	Aug. 4, 1885
323,885 Puffer, E. R		Mingle G. W	Lightning-arresters	Ang. 4, 1885
, tug. 1, 1000	323.885	Puffer, E. R	Recorders	Aug. 4, 1885
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No.	Name.	Class.	DATE.
323,890	Starr, E. T. aud E. E	Batteries, secondary	Aug. 4, 1885
323,902	Brewer, H. J	Batteries, galvanic	Aug. 11, 1885
323,903		do	
323,904 323,905	Brewer, H. J.	do	Aug. 11, 1885
323,918	Crockett, C. H. and Allen, C. C	Magnetic locks and bolts	Aug. 11, 1885
323,920	Denison, R. A	Conductors	Aug. 11, 1885
323,921	Dev, C. E	Annunciators	Aug. 11, 1885
323,964	Rogers, W. B.	Conductors, underground	Aug. 11, 1885
323,974 323,975	Thompson, E. H. S.	Applications, general Magneto-electric	Aug. 11, 1885
323,976	Thomson, E	Regulators	Aug. 11, 1885
323,981	Van Depoele, C. J.	Lights, systems and appliances	Aug. 11, 1885
323,982		Motors	
323,983 323,984	Van Depoele, C. J.	Lights, incandescent	Aug. 11, 1885
324,008	Clark, J. E. L. and W. J. K. and Bowman, R.D.	Lights, are	Aug. 11, 1885
324,009	Clarke, C. L.	Igniting devices, portable	Aug. 11, 1885
324,010	Clarke, C. L.	Friction generators	Aug. 11, 1885
324,019 324,038	Moses O 4	Alarms, burglar Lights, incandescent	Aug. 11, 1885
324,058		Igniting devices	
324,075	Bradley, J. J	Magneto-electric	Aug. 11, 1885
324,152	Parcelle, A. L	Telegraphy, multiplex	Aug. 11, 1885
324,153	Pareelle, A. L	Connectors	Ang. 11, 1885
324,171 324,176	Siemens E W	Locomotion	Aug. 11, 1885 Aug. 11, 1885
324,191	Vail. T. N	Telephones, systems, automatic	Aug. 11, 1885
324,192	Vail, T. N	do	Ang. 11, 1885
324,193	Van Depoele, C. J.	Lights, filaments and earbons	Aug. 11, 1885
324,225 324,248		Conductors Telephones, systems	
324,305		Lights, are	
324,311		do	
324,334	Moses, O. A	Lights, incandescent	Aug. 11, 1885
324,356	Black, W. T	Telephones, mechanical	Aug. 18, 1885
324,358 324,369	Cabot, J. A	Telephones, switches Alarms, burglar	
324,381		Telegraphy, railway-ear	
324,410	Otto, G	Connectors	Aug. 18, 1885
324,412	Patterson, W. R	Conductors	Aug. 18, 1885
324,413 324,447		Locomotiou	
324,470		Car-brakes	
324,475	Lyman, W. T.	Batteries, galvanic	Ang. 18, 1885
324,476	Mayrhofer, C. A	Railway signals	Aug. 18, 1885
324,501 324,502		RegulatorsLights, are	
324,530	Brown F V	Lights, sockets and keys	Aug. 18, 1885
324,551	Goldenberg, L	Lights, systems and appliances	Aug. 18, 1885
324,566	Lannert, J. A	Regulators	Aug. 18, 1885
324,590	Powers, J. A	Magneto-electric	Aug. 18, 1885
324,591 324,597		Telephones, systems Batteries, secondary	
324,621	Wheeler, S. S.	Applications, general	Aug. 18, 1885
324,635	Bacon, M	Indicators	Aug. 18, 1885
324,658	Cowles, E. H. and A. H.	Applications, general	Aug. 18, 1885
324,659 324,666	Diebl P	Magneto-electric	Aug. 18, 1885
324,667	Diehl. P	Motors	Aug. 18, 1885
324,678	Gilliland, E. T.	Telephones, switches	Aug. 18, 1885
324,692	Hill, G. W.	Insulators	Aug. 18, 1885
324,708 324,711	Leighton, E. F.	Batteries, galvanic	Aug. 18, 1880
324,711		Medical and surgical, body-wear	
324,726	Perrin, T. J.	Telephones, electrie	Aug. 18, 1885
324,727	Perrin, T. J	do	Aug. 18, 1885
324,728	Perrin, T. J	do	Aug. 18, 1885
324,729 324,746	Prown F H	Telegraphy, cirenits and systems	Aug. 18, 1885
324,751	Curtiss, R. M.	Applications, tools and machines	Aug. 18, 1885
324,752	Cushman, H. and Hall, J. P	Magneto-electric	Ang. 18, 1885
324,774	Jones, C. E.	Car-brakes	Aug. 18, 1885
324,778 324,792	Womb A P	Lights, aredo	Aug. 18, 1885
324,799	Athearn, W. E	Telegraphy, duplex	Aug. 25, 1885
324,808	Bobrick, G. A	Alarms	Aug. 25, 1885

No.	Name.	CLASS.	DATE.
001.001	D' 11 E D	Classica	A . OF 100F
324,824 324,858	Field, F. R Low, J. B	Clocks Batteries, galvanie	Aug. 25, 1885
324,862	Mather, R. H	Regulators	Aug. 25, 1885
324,891	Sprague, F. J.	Motors	Aug. 25, 1885
324,892	Sprague, F. J.	Locomotion	Aug. 25, 1885
324,894	Stanley, W., jr	Lights, sockets and keys	Aug. 25, 1885
324,899	Van Depoele, C. J	Locomotion	Aug. 25, 1885
324,957	Putnam, J. D.——————————————————————————————————	Insulators'	
324,978 324,979	Cabot, J. A	Lights, are Lights, sockets and keys	Aug. 25, 1885 Aug. 25, 1885
324,980	Cabot, J. A	Cut-outs, electro-magnetic	Aug. 25, 1885
324,981	Cabot, J. A	Lights, filaments and carbons	
325,011	Price, W. G	Recorders	Aug. 25, 1885
325,083	Hopkinson, J.	Locomotion	Aug. 25, 1885
325,086	Hughes, L	Medical and surgical, body-wear	Aug. 25, 1885
325,113	Rabe, H	Clocks	Aug. 25, 1885
325,120 325,124	Sellon, J. S Smith, A. T	Batteries, secondaryCircuit-closers	Aug. 25, 1885 Aug. 25, 1885
325,133	Van Depoele, C. J.	Regulators	Aug. 25, 1885
325,173	Heysinger, I. W	Locomotion	Aug. 25, 1885
325,225	Van Depoele, C. J.	Meters	Aug. 25, 1885
325,257	Mackay, P. N	Lights, filaments and carbons	Sept. 1, 1885
325,363	Royle, V. and J., jr	Conductors	Sept. 1, 1885
325,389 ¹ 325,390	Brown, H. P Brown, H. P	Lights, systems and appliances	Sept. 1, 1885
325,391	Brown, H. P	do	Sept. 1, 1885 Sept. 1, 1885
325,423	McCarty, N	Lights, are	
325,424	McCarty, N	do	
325,463	Waite, H. E	Annunciators	
325,495	Brooks, D	Conductors, underground	Sept. 1, 1885
325,500	Cleaver, J. B	Telephones, mechanical	Sept. 1, 1885
325,520	Farnham, I. H	Indicators	
325,531 325,540	Gould, J. H	Conductors, underground Lights, incandescent	Sept. 1, 1885
325,569	Root, F. H	Igniting devices	
325,576	Stanley, W., jr	Regulators	Sept. 1, 1885
325,619	Mueller, C. L. F	Magneto-electric	Sept. 1, 1885
325,630	Rae, F. B	Conductors, anti-inductive	Sept. 1, 1885
325,639	Wood, J. J	Alarms	2. 1
325,641	Woolley, L. G	Motors	7
325,653 325,659	Bunnell, J. H.——————————————————————————————————	Connectors Telephones, systems	
325,660	Dolbear, A. E	Telephones, electric	
325,702	Sheehy, R. J.	Telegraphy, printing	
325,714	Van Choate, S. F	Magneto-electric	Sept. 8, 1885
325,743	Hettinger, M	Conductors	Sept. 8, 1885
325,795		Lights, systems and appliances	Sept. 8, 1885
325,796	Freese, H. E	Ti-la	Sept. 8, 1885
325,802 325,915	Proprints, G. M	Lights, are	Sept. 8, 1885
325,920	Farmer M G	Telephones, relays and repeaters	Sept. 8, 1885
325,952	Mead. C. K	Telephones, systems	Sept. 8, 1885
325,958	Moses, O. A	Lights, incandescent	Sept. 8, 1885
325,984	Smith, W. D	Conductors, underground	Sept. 8, 1885
326,021	Cruickshank, G. M	Conductors, lead-covered	Sept. 8, 1885
326,028	Forster, F. E	Indicators	Sept. 8, 885
326,033 326,068	Timmis I A and Currio S C C	Batteries, galvanie	Sept. 8, 1880
326,084	Healy, C. L	Telegraphy, printing	Sept. 8, 1885
326,123	Jones, R. F.	Lights, are	Sept. 15, 1885
326,132	Matherson, P. C	Insulators	Sept. 15, 1885
326,158	Sargent, F. G.	Telephones, calls	Sept. 15, 1885
326,207		Iudicators	
326,223	Powry I and Arren W E	Valve-controllers	Sept. 15, 1885
326,237 326,268	Burnley W	Locomotion Telephones, magnetic	Sept. 15, 1889
326,269		Telephones, electric	
326,270	Burnley, W	Induction coils	Sept. 15, 1885
326,337	Sanders, L. M	Valve-controllers	Sept. 15, 1885
326,359	Wacker, (†. (†	do do	Sept. 15, 1885
326,363	Westou, W. S.	Lights, systems and appliances	Sept. 15, 1885
326,364	Weston, W. S	Magnetic leaks and halts	Sept. 15, 1885
326,424 326,458	Selioman H	Magnetic locks and bolts Telephones, mechanical	Sept. 15, 1885
326,459	Sprague, S. H	Lights, systems and appliances	Sept. 15, 1885
326,487	Du Shane, J.	Lights, are	Sept. 15, 1885
326,498	Griffin, P. H	Lights, systems and appliances	Sept. 15, 1885
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No.	Name.	. Class.	DATE.
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326,575	Mather, R. H	Regulators	Sept. 22, 1885
326,584	Perkins, C. G. Stockwell, L. W.	Lights, incandescent	Sept. 22, 1885
326,603 326,610	Whitlock, C. and Knapp, A. C	Regulators	Sept. 22, 1885 Sept. 22, 1885
326,637	Gardanier, G. W	Telegraphy, quadruplex	Sept. 22, 1885
326,675	Rogers, J. H. and J. W	Telephones, magnetic	Sept. 22, 1885
326.760 326,796	Marchese, E.Smit, W. B. and Pot, A.		Sept. 22, 1885 Sept. 22, 1885
326,880	Maver, W., jr	Telegraphy, circuits and systems	Sept. 22, 1885
326,892	Van Rysselberghe, F	Telegraphy, quadruplex	Sept. 22, 1885
326,894	Wood, J. J	Regulators	
326,906 326,933	Helvin, J. A. and Van Hoevenbergh, II Amet, E. H	Valve-controllers	Sept. 22, 1885 Sept. 29, 1885
326,934	Amet, E. H	do	Sept. 29, 1885
326,957	Eisenhart, C. A.	Applications, general	Sept. 29, 1885
326,979	Heiman, S		Sept. 29, 1885
326,989 327,039	Thomson, E	Telegraphy, printingCut-outs, electro-magnetic	
327,073	Edmunds, H. and Howard, C. T.	Telephones, systems	Sept. 29, 1885
327,080	Gilliland, E. T	Conductors	Sept. 29, 1885
327,089 327,097	Julig, L Muirhead, A	Applications, general Telegraphy, duplex	Sept. 29, 1885
327,143	Cutten, E. B.	Alarms	Sept. 29, 1885 Sept. 29, 1885
327,175	Keating, A. S	do	Sept. 29, 1885
327,176	Keating, A. S.	do	Sept. 29, 1885
327,282 327,341	Starr, E. T. and E. E		
327,375	Allen, J. G	Lights, are	
327,381	Clay, H. T	Locomotion	Sept. 29, 1885
327,382	Cohen, R. L	do	Sept. 29, 1885
327,383 327,391	Cox, G. S. Green, J. J.	Conductors, underground Meters	
327,393	Harrison, C. A.	Telephones, details	Sept. 29, 1885
327,458	MeMackin, P	Conductors, underground	Sept. 29, 1885
327,459	Spalding, H. C.	Conductors, anti-inductive Conductors	
327,460 327,461	Spalding, H. C	Conductors, anti-inductive	
327,462	Spalding, H. C.	Conductors	Sept. 29, 1885
327,463	Spalding, H. C.	Conductors, underground	
327,464 $327,465$	Spalding, H. C.	Conductors, anti-inductiveConductors, underground	Sept. 29, 1885 Sept. 29, 1885
327,466	Spalding, H. C.	Conductors, anti-inductive	Sept. 29, 1885
327,467	Spalding, H. C	Conductors	Sept. 29, 1885
327,468 327,469	Spalding, H. C.——————————————————————————————————	Conductors, underground Electro-magnets	Sept. 29, 1885 Sept. 29, 1885
327,470	Spalding, H. C	Electro-magnets, machines for winding	Sept. 29, 1885
327,471	Spalding, H. C	Conductors	Sept. 29, 1885
327,472	Spalding, H. C.		Sept. 29, 1885
327,473 327,474	Spalding, H. C.——————————————————————————————————	Conductors, underground	Sept. 29, 1885 Sept. 29, 1885
327,475	Spalding, H. C	do	Sept. 29, 1885
327,476		Conductors, anti-inductive	Sept. 29, 1885
327,477 327,478	Spalding, H. C		Sept. 29, 1885 Sept. 29, 1885
327,479	Spalding, H. C		Sept. 29, 1885
327,480	Spalding, H. C.		Sept. 29, 1885
327,481 $327,482$	Spalding, H. C.	Conductors, anti-inductive	Sept. 29, 1885 Sept. 29, 1885
327,483	Spalding, H. C	Conductors, underground	Sept. 29, 1885
327,484	Spalding, H. C	Conductors, anti-inductive	Sept. 29, 1885
327,485	Spalding, H. C.	do	Sept. 29, 1885
327,486 327,487	Spalding, H. C. Spalding, H. C	do	Sept. 29, 1885 Sept. 29, 1885
327,488	Spalding, H. C.	do	Sept. 29, 1885
327,489	Spalding, H. C	do	Sept. 29, 1885
327,490	Spalding, H. C.	Conductors	Sept. 29, 1885 Sept. 29, 1885
327,491 $327,492$	Spalding, H. C.	Conductors, anti-inductive	Sept. 29, 1885
327,493	Spalding, H. C	Conductors	Sept. 29, 1885
327,494	Spalding, H. C.	Conductors, anti-inductive	Sept. 29, 1885
327,495 327,496	Spalding, H. C.	do	Sept. 29, 1885 Sept. 29, 1885
327,497	Spalding, H. C.	do'	Sept. 29, 1885
327,498	Spalding, H. C.	Cut-outs, electro-magnetic	Sept. 29, 1885
327,499 $327,500$	Spalding, H. C.	do	Sept. 29, 1885 Sept. 29, 1885
327,525	Clarke, C. L.	Valve-controllers	Oct. 6, 1885

No.	Name.	CLASS.	I	ATE.
327,526	Clarke, C. L.	Clocks	Oct.	6, 1885
327,527	Clarke, C. L	do	Oct.	6, 1885
327,536	Davis, W. E.	Railway signals		6, 1885
327,576 327,578	Myers, F. I	Lights, incandescent		6, 1885 6, 1885
327,582	Odell, J. B	Batteries, galvanic		6, 1885
327,625	Waite, H. E	Telephones, electrie	Oct.	6, 1885
327,657	Clarké, C. L	Circuit-closers	_	6, 1885
327,690 327,692	Jackson, A Johnson, F. G	Telephones, supports		6, 1885 6, 1885
327,790	Grauert, E	Magneto-electric		6, 1885
327,795	Heisler, C.	Cut-outs, electro-magnetic		6, 1885
327,796	Heisler, C.	0 / 0		6, 1885
327,797 327,837	Immiseh, M Thompson, S. P	Motors		6, 1885 6, 1885
327,878	Holtzer, C. W	Batteries, galvanie		6, 1885
327,886	Low, A. H	Magneto-electric, hand-machines	Oct.	6, 1885
327,888	Main, W	Lights, systems and appliances		6, 1885
327,889 327,897	Pond, C. H.	Clocks		6, 1885 6, 1885
327,898	Pond, C. II	do		6, 1885
327,908	Weston, E			6, 1885
327,911	Wirsching, A			6, 1885
327,919 327,940	Burmann, J. Gilliland, J. F.	Alarms, burglar———————————————————————————————————		6, 1885 6, 1885
327,962	Murray, W. A	Railway-siguals		6, 1885
327,964	Prescott, G. B., ir	Batteries, secondary, applications	Oct.	6, 1885
327,971	Tatham, J	Conductors		6, 1885
327,997 328,012	Briggs, A. E	Annuneiators Conductors, underground	Oct.	13, 1885
328,022	Fyfe, A. L. and Main, J	Lights, arc	Oct.	13, 1885 13, 1885
328,030	Henzel, G. L	Magnetic locks and bolts	Oct.	13, 1885
328,055	Oram, J. M	Clocks		
$\frac{328,148}{328,156}$	Smith, C. A	Telephones, calls Valve-eontrollers		
328,166	Williams, G. M.	Alarms		
328,205	Flint, F. W	Indicators		
328,208	Gardner, E. M.	Batteries, galvanie		
328,243 328,253	Moore, G. W. and Culbertson, J. N. Rice, E. W., jr.	Telephones, systems		
328,258	Shaw, F. R	Magneto-electric Telephones, mechanical		
328,305	Firman, L. B.	Telephones, systems	Oct.	13, 1885
328,418	Main, W			
328,420 328,447	McLaughlin, J. F.	Locomotion Systems of distribution		
328,491	Judson, C. N	Telegraphy, printing	Oct.	$\frac{15, 1550}{20, 1885}$
328,500	McCausland, W. J	do	Oct.	20, 1885
328,502	McLeod, C. G	Connectors	Oct.	20, 1885
328,556 328,572	Amet, E. II	Valve-eontrollers	Oct.	20, 1885
328,573	Edison, T. A	Lights, systems and appliances	Oct.	20, 1885
328,574	Edison, T. A	Systems of distribution	Oct.	20, 1885
328,575	Edison, T. A	do	Oct.	20.1885
328,578 328,592	Lord W H	Telephones, calls	Oct.	20, 1885
328,593	Main, W.	Batteries, secondary, applications	Oct.	20, 1885
328,600	Munson, J. E	Telegraphy, perforators	Oct.	20, 1885
328,607	Partz, A. F. W	Batteries, galvanie	Oet.	20,1885
328,618 328,687	Sonne, C. C.	Telephones, systems	Oet.	20, 1885
328,695	Leonard, S. S.	Cut-outs, mechanical	Oct.	20, 1885 $20, 1885$
328,702	McLaughlin, J. F.	Telephones, switches	Oct.	20, 1885
328,703	McLaughlin, J. F.	Telephones, electric	Oct.	20, 1885
328,712 328,728	Smith L. O	Conductors, uuderground	Oct.	20, 1885
328,769	Field, F. R	Clocks	Oct.	20, 1885
328,821	Sprague, F. J.	Locomotion	Oct.	
328,829	Wenigmann, P	Medical and surgical, body-wear	Oct.	20, 1885
328,831	Arnold, C. R	Lights, sockets and keys	Oct.	20, 1885
328,832 328,859	Piper, C. E.	Lights, systems and appliances Magneto-electrie	Oct.	20, 1885 20, 1885
328,929	Fawcett, W. N. and Huntley, G. F.			27, 1885
328,948	Kauffer, T. L	Batteries, galvanie	Oct.	27, 1885
328,976	Roussean, D			27, 1885
	Paramana D			
328,977 328,982	Rousseau, D.	Bells		$\frac{27}{27}, 1885$

No.	Name.	Class.	DATE,
329,030	Edison, T. A	Telephones, electric	Oct 27 1885
329,076	Phelps, L. J.	Telegraphy, railway-car	Oct. 27, 1885
329,077	Phelps, L. J.	do	Oct. 27, 1885
329,083	Robertson, J. H	Telephones, magnetic	Oct. 27, 1885
329,084 329,085	Robertson J H	do	Oct. 27, 1885
329,104	Van Depoele, C. J.	Locomotion	Oct. 27, 1885
329,112	Willans, P. W.	Valve-controllers	Oct. 27, 1885
329,118	Ball, C. M	Regulators	
329,152 $329,162$	Elden, C. F	Lightning-arrestersConnectors	Oct. 27, 1885
329,166	Holcombe, A. G	Lights, are	Oct. 27, 1885
329,186	McCullough, L. H	Telegraphy, fire	Oct. 27, 1885
329,187	McCullough, L. H	do	Oct. 27, 1885
329,188	McCullough, L. H	do	Oct. 27, 1885
329,189 329,222	McCullough, L. H.	Magnetic locks and bolts	Oct. 27, 1885 Oct. 27, 1885
329,223	Sedgwick, F.	do	
329,245	Weaver, E. E	Circuit-closers	Oct. 27, 1885
329,294	Ehrlieh, L	Alarms, burglár	
329,310 329,327	Hicks, T. H. Marston, Du P. F.	Induction coils Telephones, electric	Oct. 27, 1885
329,386	Grav, E		
329,398	Leggo, W. A	Keys	
329,399	Leggo, W. A	do	
329,410	Pope, F. L	Telegraphy, dynamo	
329,411 329,412	Pope, F. L	Tclegraphy, circuits and systems	
329,460	Lemp, H	Cut-outs, mechanical	
329,461	Lemp, H	Lights, are	
329,468	Martin, M. and Wilson, J. C	Telegraphy, fire	Nov. 3, 1885
329,470	Martin, M	Thermostats	
329,477 329,478	Nicholson, H. C	Telegraphy, duplexRailway-signals	Nov. 3, 1885
329,510	Travis, C. L	Lights, systems and appliances	Nov. 3, 1885
329,515	Van Nortwick, S. B	Telegraphy, printing	Nov. 3, 1885
329,618	Benton, C. H	Lights, sockets and keys	
329,621 329,646	Byllesby, H. M.——————————————————————————————————	Systems of distribution Recorders	
329,670	Nicholson, S. and Bowen, H. A	Lights, filaments and earbons	Nov. 3, 1885
329,681	Schlesinger, W. M	Regulators	
329,698	Barry, J	Thermostats	Nov. 3, 1885
329,723 329,724	Dickenson, W Dieckmann, G. F	Telegraphy, automatic Batteries, galvanic	Nov. 3, 1885
329,732	Godfrey, J		Nov. 3, 1885
329,749	Larish, J. W	Telegraphy, quadruplex	Nov. 3, 1885
329,768	Parkes, S. H	Electro-magnets	Nov. 3, 1885
329,772	Perrin, T. J		
329,782 329,808	Steiner, J Bruns, C. L		
329,830	Grovesteen, M. W.	Indicators	Nov. 3, 1885
329,833	Hubbell, C. J.	Lightning-rods	Nov. 3, 1885
329,871	Wood, F. B	Telegraphy, fire	Nov. 3, 1885
329,874 329,887	Ahearn, T Caples, H. L. and Lewis, W. W		Nov. 10, 1885 Nov. 10, 1885
329,909	Johnson, F. G		Nov. 10, 1885
329,929	Metzger, A.	Induction-coils	Nov. 10, 1885
329,948	Pyle, G. C	Lights, arc	Nov. 10, 1885
329,956 329,982	Rosebrugh, A. M. and T. R. West, W. A.		Nov. 10, 1885
329,983	West, W. A	Telephones, electric	Nov. 10, 1885
329,984	West, W. A	do	Nov. 10, 1885
330,036	McCahey, J	Conductors	Nov. 10, 1885
330,037	McCambridge, P. C. F	Keys	Nov. 10, 1885
330,048 330,049	Patterson, W. R		Nov. 10, 1885
330,052	Scribner, C. E	Lights, arc	Nov. 10, 1885
330,053	Scribner, C. E	Regulators	Nov. 10, 1885
330,054	Scribner, C. E	Lightning-arresters	Nov. 10, 1885
330,055	Scribner, C. E	Lights, are	Nov. 10, 1885 Nov. 10, 1885
330,056 330,057	Scribner, C. E		Nov. 10, 1885
330,058	Scribner, C. E	do	Nov. 10, 1885
330,059	Scribner, C. E	do	Nov. 10, 1885
330,060	Scribner, C. E.	do	Nov. 10, 1885
330,061 330,062	Scribner C F	do	Nov. 10, 1885
990,002	Delibilet, O. D		1,01, 10, 1000

No.	Name.	Class.	Date.
330,063	Scribuer, C. E	Telephones, systems	Nov. 10, 188
330,064	Scribner, C. E	Telephones, switches	Nov. 10, 188
330,065	Scribner, C. E	Telephones, systems	Nov. 10, 138
330,066	Scribner, C. E	do	
330,067 330,071	Seely, J. A. Tichenor, A. C.	Conductors	
330,074	Vogel, W		
330,095	Clark, E. P.	Magneto-electric	
330,139	Meyer, C. W	Lights, systems and appliances	
330,149	Pilet, G. and Carry, C	Electrolysis	Nov. 10, 188
330,173	Tringham, J. W	Insulators	Nov. 10, 188
330,226	Gibbins, J. P	Applications, tools and machines	Nov. 10, 188
330,238 330,239	Healy, C. L	Telegraphy, printing	
330,244	Lange, P	Lights, systems and appliances	Nov. 10, 188
330,247	Liepmann, H	Electrolysis	Nov. 10, 188
330,269	Stanley, W., jr	Lights, sockets and keys	Nov. 10, 188
330,271	Stewart, G. W	Relays and sounders.	Nov. 10, 188
330,277	Williams, T. D		Nov. 10, 188
330,344	Munson, J. E	Telegraphy, automatie	
330,351	Romanze, O		
330,356 330,368	Trotter, A. P. Barbier, R. P.	Lights, systems and appliances Telephones, systems	
330,379	Cousins, J. L	Valve-controllers	
330,433	Slattery, M. M. M	Magneto-electric	Nov. 17, 188
330,449	Weston, E	Rheostats	Nov. 17, 188
330,450	Weston, E		
330,451	Weston, E.		
330,463 330,464	Brown, H. P		Nov. 17, 188 Nov. 17, 188
330,465	Brown, II, P.		
330,466	Brown, II. P		
330,486	Holt, A. J		
330,490		Magneto-electric	Nov. 17, 188
330,531	Vetter, J. C		Nov. 17, 188
330,586	Heisler, C.		
330,605 330,632	Spellier, L. II	Locomotion	
330,635		Relays and sounders.	
330,640	Timby, T. R.	Applications, general	Nov. 17, 188
330,642	Timby, T. R	do	Nov. 17, 188
330,644	Vail, T. N	Telephones, switch-boards	Nov. 17, 188
330,724	Montgomery, S	Conductors, underground	Nov. 17, 188
330,763		Telephones, systems	
330,836 330,873		Magneto-electric	
330,874		do	
330,879	Emmner, J., jr		
330,903	Kinsman, F. E	Annunciators	Nov. 24, 188
330,923	Ramel, A. and Dean, W. W.	Clocks	
330,938	Stevens, W. L. and Wescott. E. J	do	Nov. 24, 188
330,949 331,002		Cut-outs, mechanical	
331,042		Telegraphy, railway-car	
331,052		Telephones, electrie	
331,081		Applications, general	
331,104		Electrolysis	
331,105		do	
331,119		Alarms	
331,121 331,148		Induction-coils	
331,155		Magneto-electrie	
331,186		Telephones, systems	
331,221	White, L. S	Igniting devices	Nov. 24, 188
331,250	Miner, W. M	Repeaters	Nov. 24, 188
331,257		Annunciators	
331,275	Lockwood, W. C.	Telegraphy, printing	
331,309 331,327		Telephones, electrie Lights, arc	
331,356		Telegraphy, fire	
331,386		Applications, tools and machines	
331,388		Loeometion	Dec. 1, 188
331,390	Fowler, E. W	Magnetie locks and bolts	Dec. 1, 188
331,406		Valve-controllers	
-227 1 4 () ···	Jones, E	Batteries, seeoudary	Dec. 1, 188
331,407 331,408		do	

No. Name. Class. D	1, 1885 1, 1885 1, 1885 1, 1885 1, 1885 1, 1885 1, 1885
S31,552	1, 1885 1, 1885 1, 1885 1, 1885 1, 1885 1, 1885
S31,552 Schlesinger, W. M. Regulators Dec.	1, 1885 1, 1885 1, 1885 1, 1885 1, 1885 1, 1885
Sal,609 Boissier, H. R. Electrolysis Dec.	1, 1885 1, 1885 1, 1885 1, 1885
Sal Geary J	1, 1885 1, 1885 1, 1885
Sal,650 Pond, C. H.	1, 1885 1, 1885
Sail, 663 Thompson, E. P.	1, 1885
331,674 Bailey, R. A Valve-controllers Dec.	
Müller, H. Magneto-electric Dec.	1, 1885
Sal,754	1, 1885
Brush, C. F	1, 1885
Sal,814 Orton, B. F Regulators Dec.	8, 1885
Magneto-electrie	8, 1885 8, 1885
Regulators	8, 1885
Magneto-electric Dec.	8, 1885
Scales, E. A. Recorders Dec.	8, 1885
Silliman, E. B.	8, 1885
Railway signals Dec.	8, 1885 8, 1885
331,880 Hill, W. S Motors Dec.	8, 1885
331,924 Vail, J. H	8, 1885
331,955 Ford, W. S	8, 1885
331,975 Keeley, D. H and Garvey, A. A. E Telegraphy, quadruplex Dec. 331,986 McCullough, L. H Circuit-closers Dec. 332,009 Schlesinger, W. M Transmission of power Dec. 332,047 Burdick, J. R Telephones, systems Dec. 332,061 Deblieux, B. N Insulators Dec. 332,066 Facer, W. E Thermostats Dec. 332,071 Gavitt, J. K. G Applications, general Dec. 332,130 Yeakle, J. B Alarms, burglar Dec.	8, 1885
331,986 MeCullough, L. H Circuit-closers Dec. 332,009 Schlesinger, W. M Transmission of power Dec. 332,012 Seely, J. A Telephones, systems Dec. 332,047 Burdick, J. R Conductors, underground Dec. 332,061 Deblieux, B. N Insulators Dec. 332,066 Facer, W. E Thermostats Dec. 332,071 Gavitt, J. K. G Applications, general Dec. 332,130 Yeakle, J. B Alarms, burglar Dec.	8, 1885 8, 1885
332,009 Schlesinger, W. M Transmission of power Dec. 332,012 Seely, J. A Telephones, systems Dec. 332,047 Burdick, J. R Conductors, underground Dec. 332,061 Deblieux, B. N Insulators Dec. 332,066 Facer, W. E Thermostats Dec. 332,071 Gavitt, J. K. G Applications, general Dec. 332,130 Yeakle, J. B Alarms, burglar Dec.	8, 1885
332,012 Seely, J. A Telephones, systems Dec. 332,047 Burdick, J. R Conductors, underground Dec. 332,061 Deblieux, B. N Insulators Dec. 332,066 Facer, W. E Thermostats Dec. 332,071 Gavitt, J. K. G Applications, general Dec. 332,130 Yeakle, J. B Alarms, burglar Dec.	8, 1885
332,061 Deblieux, B. N Insulators Dec. 332,066 Facer, W. E Thermostats Dcc. 332,071 Gavitt, J. K. G Applications, general Dec. 332,130 Yeakle, J. B Alarms, burglar Dec.	8, 1885
332,066 Facer, W. E. Thermostats Dcc. 332,071 Gavitt, J. K. G. Applications, general Dec. 332,130 Yeakle, J. B Alarms, burglar Dec.	8, 1885
332,071 Gavitt, J. K. G	8, 1885
332,130 Yeakle, J. B Alarms, burglar Dec.	8, 1885 8, 1885
	8, 1885
Doc,	8, 1885
332,173 Willson, T. L Lights, are Dec.	8, 1885
	8, 1885
332,254 Hoffman, H. H Alarms, burglar Dec. 332,286 Pfannkuche, G Cut-outs, thermal Dec.	15, 1885
	15, 1885
	15, 1885
332,383 Cole, J. W. and Knudsen, H Lightning-rods Lightning-rods	15, 1885
	15, 1885
	15, 1885 15, 1885
	15, 1885
	5, 1885
332,431 Pease, W. M Railway-signals Dec. 1	15, 1885
	15, 1885
	15, 1885 15, 1885
332,496 Cornell, G Dec. 1	
332,549 Nicholson, H. C. Telegraphy, quadruplex Dec. 1	5, 1885
332,550 Nicholson, H. C	15, 1885
332,551 Nicholson, H. C	5 1885
332,559 Robinson, J. A	5 1885
332,638 Chase, S. A	5, 1885
332.649 Dver, R. N. Telegraphy, printing Dec. 1	[5, 1885]
332.668 Main, W Dec. 1	5, 1885
332,673 Munson, A. J. Lightning-rods Dec. 1	5, 1885
332,685 Waterhouse, F. G. Magneto-electric Dec. 1 332,705 Eames, H. H. Electrolysis Dec. 2	2 1885
332,721 Loomis, O. P. and Cooley, H. W.————— Cut-outs, mechanical ————————————————————————————————————	22, 1885
332.761 Taylor, R. R Conductors Dec. 2	22, 1885 -
332,832 Raworth, J. S Galvanometers Dec. 2	22, 1885
32,845 Smith, E. W. Circuit-closers Dec. 1	2, 1885
332,905 Johnson, C. M Indicators Dec. 2 332,913 Lebasteur, H. and Rouart, S. H do Dec. 2	9 1885
332,926 MeLaughlin, J. F. Locomotion	2, 1885
332.927 McLaughlin, J. F Dec. 2	22,1885
332.928 MeLaughlin, J. F	1885
332,929 McLaughlin, J. F	2 1005
332,971 Thomas, W. M Lights, arc Dec. 2 332,987 Bailey, H. L Clocks Dec. 2	22, 1885
332,987 Bailey, H. L Clocks Dec. 2 323,008 Griswold, H. P Steering and propulsion Dec. 2	22, 1885 22, 1885
333.014 Houlehan, J. Telephones, systems — Dec. 2	22, 1885 22, 1885 22, 1885
333,028 Stanley, W., jr Lights, incandescent Dec. 2	22, 1885 22, 1885 22, 1885 22, 1885 22, 1885

No.	Name.	Class,	DATE.
333,044	Williamson, M. B.	Telephones, meehanieal	
333,063	Foote, D. S.	Aununeiators	
333,075	Humphreville, F Mott, S. D	Thermostats	
333,079 333,110	Clark, E	Meters	
333,111	Clark, E	do	
333,131	Keenan, W. J. and Wilson, E. M	Telegraphy, fire	
333,132	Kettell, J. F	Cloeks	
333,133	Kettell, J. F	Talanhanas aratama	
333,167 333,174	Scribner, C. E	Telephones, systemsMagneto-electrie	
333,178	Vogel, W		
333,194	Cain, J.		
333,219	Harding, A		
333,285	Davis, A. W. S.		
333,289 333,290	Edison, T. A		
333,291	Edison, T. A		Dec. 29, 1885
333,292	Fitz-Gerald, D. G. and Jones, T. J	Batteries, seeondary	Dec. 29, 1885
333,298	Healy, C. L	Telegraphy, printing	Dec. 29, 1885
333,336	Regan, D. S	Applications, tools and machines	
333,394 333,443	Clark, E. and Riehards, T. A.——————————————————————————————————		
333,462	Hoeveler, W. A.	Conductors, underground	
333,554	Shaler, N. S	Applications, general	Jau. 5, 1886
333,563	Stanley, W., jr., and Shallenberger, O. B.	Magneto-electrie	
333,564 333,573	Stanley, W., jr.	Lights, systems and appliances Magneto-electric	
333,614	DeRedon, C. F		
333,657	Moffatt, R. R	Lights, incandescent	Jan. 5, 1886
333,661		Batteries, galvanie	
333,665 333,698	Thomas W M	Railway signals Lights, systems and appliances	Jan. 5, 1886 Jan. 5, 1886
333,727	Campbell, J. H	do	Jan. 5, 1886
333,739	France, S	Induction-coils	Jan. 5, 1886
333,742	Gaillard, E. N	Lights, systems and applianees	Jan. 5, 1886
333,779 333,791		Valve-controllers	
333,815	Body. M	Electrolysis	Jan. 5, 1886
333,816	Bonta, J. W	Telephones, electric	Jan. 5, 1886
333,838	Delamare-Deboutteville, E. and Malandin, L.		Ion 5 1998
333,899	Tatham, II. B., jr	Applications, tools and machines Thermostats	
333,902		Magneto-electric	
333,932		Telephones, magnetic	
333,951 333,970		Applications, general Locomotion	
333,975		Telegraphy, fire	
334,014	Gilliland, E.T.	Telephones, systems, automatie	Jan. 12, 1886
334,020		Car-brakes	
334,021 334,022		do	
334,023		Lights, are	
334,027		Batteries, secondary	
334,062	Van Depoele, C. J.	Loeomotion	Jan. 12, 1886
334,069 334,073	Bentley, C. D.	Telephones, meehanicalLights, are	Jan. 12, 1886
334,142		Lights, filaments and carbons	
334,143	Weston, E	Cut-outs, mechanical	Jan. 12, 1886
334,144	Weston, E	Lights, are	Jan. 12, 1886
334,145		Galvanometers	
334,146 334,147	Weston, E	Lights, filaments and carbons Lights, incandeseent	Jan. 12, 1886
334,153	Babcock, G. H	Applications, tools and machines	Jan. 12, 1886
334,154	Babcock, G. H	do	Jan. 12, 1886
334,158 334,167	Beard, G. W	Applications, general	Jan. 12, 1886
334,185	Phelps. L. J.	Railway signals	Jan. 12, 1886
334,186	Phelps, L. J.	Telegraphy, railway-car	Jan. 12, 1886
334,187	Phelps, L. J	do	Jan. 12, 1886
334,188 334,189		do	
334,194		Railway signals	
334,222	Fitch, H. A	Applications, general	Jan. 12, 1886
334,294	Sheehy, R. J	Telegraphy, printing	Jan. 12, 1886
334,317 334,353	Dales, J. R. and Adams E. L.	Lights, arcdodo	Jan. 12, 1886
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No.	Name.	CLASS.	DATE.
334,365	Ferguson, A. C	Lights, are	Jan. 12, 1886
334,366	Ferguson, A. C	Lights, systems and appliances	Jan. 12, 1886
334,380 334,390	Hilton, C. H Kinsman, J. H	Bells Telephones, calls	Jan. 12, 1886 Jan. 12, 1886
334,399	Walter, W. C	Indicators	Jan. 12, 1886
334,450	Mason, H. R	Conductors	Jan. 19, 1886
334,517	Dickinson, S. C	Clocks	Jan. 19, 1886
334,608 334,618	Pope, F. L Serrell, E. W., jr	Applications, tools and machines	Jan. 19, 1886 Jan. 19, 1886
334,619	Serrell, E. W., jr	do	
334,620	Serrell, E. W., ir	do	
334,621 334,637	Serrell, E. W., jrCard, G. F	do	
334,708	Kruesi, J. and Langton, J., jr	Couductors, underground	Jan. 19, 1886 Jan. 19, 1886
334,709	Kruesi, J. and Laugton, J., jr	do	Jan. 19, 1886
334,712	Mather, R. H	Magneto-electric	
334,745 334,763	Carey, J. E	Clocks Conductors	
334,785	La Bau, J. H	Telegraphy, fire	Jan. 26, 1886
334,788	Lathrop, F. L	Batteries, galvanic	
334,822 334,823	Sweet, W. F.	Magneto-electric	
334,850	Denison, R. A	Conductors, underground	Jan. 26, 1886
334,853	Edison, T. A	Lights, filaments and carbons	
334,858 334,871	Guernsey, D. W	Lights, systems and appliances Relays and sounders	
334,879	Mayer, J	Medical and surgical, body-wear	Jan. 26, 1886
334,890	O'Donel, I. M	Alarms	Jan. 26, 1886
334,960	Mason, W. B., Wescott, E. J. and Stevens, W. L. Milliken, G. F.	Indicators Telegraphy, fire	Jan. 26, 1886
334,969 335,025	Gaynor, T. F	do	
335,026	Gaynor, T. F	do	Jan. 26, 1886
335,027	Gaynor, T. F	Systems of distribution	
335,045 335,048	Sprague, F. J. Wheeler, S. S.	Systems of distribution Regulators	Jan. 26, 1886
335,058	Cowles, A. H	Heaters	Jan. 26, 1886
335,059	Cowles, E. H. and A. H	Systems of distribution	
335,060 335,091	Doubleday, H. M. Putnam, T. A. B.	Systems of distribution Conductors, underground	Jan. 26, 1886 Jan. 26, 1886
335,099	Wheeler, S. S.	Regulators	Jan. 26, 1886
335,102	Adams, J. S	Lights, systems and appliances	Feb. 2, 1886 Feb. 2, 1886
335,105 335,135	Boissier, H. R. Lee, J. J.	Magneto-electric	Feb. 2, 1886
335,158	Thomson, E	Lights, incandescent	Feb. 2, 1886
335,159	Thomson, E	Lights, systems and appliances	Feb. 2, 1886 Feb. 2, 1886
335,160 335,171	Thomson, E. Anderson, G. K.	Lights, sockets and keys Telegraphy, printing	Feb. 2, 1886
335,186	Gardner, W. F	Cłocks	Feb. 2, 1886
335,223 335,269		Alarms	Feb. 2, 1886 Feb. 2, 1886
335,275	Brush, C. F	Telegraphy, printing	
335,285	Johnson, E. H	Locomotion	Feb. 2, 1886
335,294 335,321	MeLaughlin, J. F. Taylor, W.	Telephones, mechanical	
335,325	Voelker, W. L	Magneto-electric	Feb. 2, 1886
335,326	Voelker, W. L	do	Feb. 2, 1886
335,355 335,364	Hering, C Keller, A. K. and Lyon, E. H	Telephones, electric	Feb. 2, 1886 Feb. 2, 1886
335,368	Levison, W. G.	Lights, arc	Feb. 2, 1886
335,372	Marcus, M. D. and Epsteyn, N. H	Telegraphy, fire, alarms and extinguishers	Feb. 2, 1886
335,417 335,436		Medical and surgical, body-wear Telephones, systems	Feb. 2, 1886 Feb. 2, 1886
335,459	Klostermann, F	Lights, are	Feb. 2, 1886
335,482	Robbins, A. C	Telegraphy, printing	Feb. 2, 1886
335,495 335,499	Williams, J. B. Bradley, C. S. and Crocker, F. B.	Conductors	Feb. 2, 1886 Feb. 2, 1886
335,501	Burnley, W	Telephones, electric	Feb. 2, 1886
335,502	Burnley, W	do	Feb. 2, 1886
335,510 335,511	Dowling N	do	Feb. 2, 1886
335,522	Houlehan, J.	do	Feb. 2, 1886
335,547	Thomson, E	Regulators	Feb. 2, 1886
335,548 335,560	Pullock C	Cut-outs, mechanical Locomotion	Feb. 2, 1886 Feb. 9, 1886
335,588	Jackson, C. A	Telephones, systems	Feb. 9, 1886
335,604	McLaughlin, J. C.	Annunciators	Feb. 9, 1886
335,605	McNeal, A. C.	Keys	Feb. 9, 1886

355,668 Sherwood, A. T.	No.	Name.	CLASS.	DATE.
355,632 Sherwood, A. T.				
355,659 No. Depocle, C. J. Regimators Feb. 9, 355,681 Cardwell, G. A. and Fitch, F. K. Depocle, C. J. Regimators Feb. 9, 355,682 Cardwell, G. A. and Fitch, F. K. Depocle, C. J. Regimators Feb. 9, 355,682 Denke, J. L. R. Meters. Feb. 9, 355,682 Denke, J. L. R. Meters. Feb. 9, 355,683 Denke, J. L. R. Meters. Feb. 9, 355,692 Denke, J. L. R. Meters. Feb. 9, 355,791 House, J. L. R. Meters. Feb. 9, 355,781 Feb. 9, 315,785 Tesla, N. Lights, are Feb. 9, 315,785 Tesla, N. Lights, are Feb. 9, 315,781 Feb. 9, 315,781 Meters. Feb. 9, 315,781 Meters. Feb. 9, 315,781 Meters. Feb. 9, 315,781 Meters. Feb. 9, 315,783 Mess. O. A. Lights, incandescent. Feb. 9, 315,783 Mess. O. A. Lights, incandescent. Feb. 9, 315,890 Feb. 9, 315,890 Feb. 9, 315,890 Feb. 9, 315,890 Feb. 9, 315,990 Feb. 9, 400 Feb. 9, 315,990 Feb.				
Saptists Van Depoele, C. J. Regniators Feb. 9, 335,688 Cardwell, G. A. and Fitch, F. K. Feb. 9, 335,688 Cardwell, G. A. and Fitch, F. K. Feb. 9, 335,688 Cardwell, G. A. and Fitch, F. K. Feb. 9, 335,688 Cardwell, G. A. and Fitch, F. K. Feb. 9, 335,688 Cardwell, G. A. Feb. 9, 345,688 Cardwell, G. A. Feb. 9, 345,689 Cardwell, G. A. Feb. 9, 345,789 Feb. 9, 345,789 Sprague, F. J. Holcomb, F. A. Feb. 9, 9, 345,789 Sprague, F. J. Motors Feb. 9, 345,789 Tesla, N. Lights, are Feb. 9, 345,789 Tesla, N. Lights, are Feb. 9, 345,789 Tesla, N. Lights, are Feb. 9, 345,789 Tesla, N. Feb. 9, 345,789 Feeman, W. P. Feb. 9, 345,899 Fermer, M. G. Feb. 9, 345,999 Fermer, M. G. Feb. 9, 345,999 Fermer, M. G. Feb. 9, 345,999 Feb. 9, 74, 74, 74, 74, 74, 74, 74, 74, 74, 74		Sherwood 4 T		
Satisfies Cardwell, G. A. and Fitch, F. K.		Van Depoele, C. J		
Saper		Cardwell, G. A		
395,701 Indocomb F. A				
Section Sect				
1835,786 Tesla, N				
325,797 Tesla, N				
385,806 Freeman, W. P. P.				
335,836 Ness, O. A				
335,832 Moses, O. A				
335,860 Warner, C. D.	335,831		Lights, incandescent	Feb. 9, 1886
335,963 Weis, J.				
335,995 Farmer, M. G		Warner, C. D.		
355,939 Hoyt, A. G.				
335,970 Skinner, C. E.		Hoyt, A. G		
335,996 Sebnach, F. L.	335,934	Johnson, W. S. and Fortier, C. L		Feb. 9, 1886
355,998 Fisher, F. E		Skinner, C. E	Applications, general	
335,999 Fisher, F. E. Bells Feb. 9,		Eschbach, F. L	Motors	
336,000 Fisher, F. E.				
336,001 Fisher, F. E.				
336,002 Fisher, F. E.				
336,018 Kigney, W. J. and Wolff, J. Conductors Feb. 9, 336,030 Wiswell, J. C. Electrolysis Feb. 9, 336,040 Drake, C. C. Cut-outs, electro-magnetic Feb. 9, 336,040 Drake, C. C. Cut-outs, electro-magnetic Feb. 16, 336,081 Ball, C. E. Alarms Feb. 16, 336,081 Bell, C. A. Telephones, electric Feb. 16, 336,082 Bell, C. A. Delinous, systems Feb. 16, 336,083 Bell, C. A. Telephones, systems Feb. 16, 336,083 Bell, C. A. Telephones, systems Feb. 16, 336,083 Bell, C. A. Telephones, calls Feb. 16, 336,095 Davis, A. W. S. Telephones, calls Feb. 16, 336,102 Gardner, F. M. Batteries, secondary Feb. 16, 336,102 Gardner, F. M. Delinous, calls Feb. 16, 336,102 Gardner, F. M. Delinous, calls Feb. 16, 336,132 Mott, S. D. Moters Feb. 16, 336,133 Mott, S. D. Moters Feb. 16, 336,133 Mott, S. D. Delinous, calls Feb. 16, 336,134 Waterhouse, A. G. Telephones, systems Feb. 16, 336,134 Waterhouse, A. G. Telephones, systems Feb. 16, 336,134 Waterhouse, A. G. Telephones, systems Feb. 16, 336,139 Wightmau, M. J. Lights, sockets and keys Feb. 16, 336,238 Feb. 16, 336,337 Mezec, A. G. Telephones, details Feb. 16, 336,430 Mathematical Feb. 18		Fisher, F. E	Telephones, calls	
Sag. Signey Wiswell J C Conductors Feb. 9				
Sag. 336,040 Wiswell, J. C. Electrolysis Feb. 9,				
336,040 Drake, C. C Cit-outs, electro-magnetic Feb. 16,				
Bell, C. A.				
Bell, C. A.	336,078		Alarms	Feb. 16, 1886
Bell, C. A.				Feb. 16, 1886
Brush, C. F. Magneto-electric Feb. 16, 336,095 Davis, A. W. S. Telephones, calls Feb. 16, 336,102 Gardner, E. M. Batteries, secondary Feb. 16, 336,102 Mott, S. D. Meters Feb. 16, 336,133 Mott, S. D. Meters Feb. 16, 336,133 Tainter, S. Telephones, systems Feb. 16, 336,137 Tainter, S. Telephones, systems Feb. 16, 336,137 Tainter, S. Telephones, systems Feb. 16, 336,138 Waterhouse, A. G. Lights, arc Feb. 16, 336,191 Whited, C. W. Railway signals Feb. 16, 336,293 Wilsten, J. Lights, sockets and keys Feb. 16, 336,293 Thornberry, H. S. do Feb. 16, 336,294 Lavery, G. L. Telephones, details Feb. 16, 336,329 Lavery, G. L. Telephones, details Feb. 16, 336,337 Meeze, A. G. Telegraphy, automatic Feb. 16, 336,337 Meeze, A. G.				Feb. 16, 1886
Batteries, secondary				Feb. 16, 1886
336,102 Gardner, E, M			Telephones, calls	Feb. 16, 1886
Meters				Feb. 16, 1886
336,133 Mott, S. D.				Feb. 16, 1886
Telephones, systems				Feb. 16, 1886
Lights, are Feb. 16, 336,194 Waterhouse, A. G		Tainter, S		
Railway signals Feb. 16,			Lights, are	Feb. 16, 1886
336,191 Wightmau, M. J				Feb. 16, 1886
336,203 Bell, C. A				
336,268 Thornberry, H. S				
Telegraphy, automatie	336,268	Thornberry, H. S	do	Feb. 16, 1886
Telephones, details		Wilson, J.	Insulators	Feb. 16, 1886
Meters			Telephones details	Feb. 16, 1886
336,352 Roovers, A. H. and A. W. and Williams, P. G. Batteries, galvanic Feb. 16, 336,402 Fisher, F. E. Separators Feb. 16, 336,450 Valiant, P. F. Medical and surgical, body-wear Feb. 16, 7eb. 16, 336,452 Van Depoele, C. J. Lights, arc Feb. 16, 336,479 Fontaine, A. S. Annunciators Feb. 16, 336,503 Waterhouse, A. G. Lights, arc Feb. 16, 336,510 Criado, L. F. Lights, systems and appliances Feb. 16, 336,510 Humans, W. Magneto-electric, hand-machines Feb. 16, 336,562 Gilliland, E. T. Telephones, calls Feb. 16, 336,663 Gilliland, E. T. Telephones, systems Feb. 23, 336,636 Gerard-Léscuyer, J. M. A. Lights, arc Feb. 23, 336,636 Gerard-Léscuyer, J. M. A. Lights, arc Feb. 23, 336,636 Gerard-Léscuyer, J. M. A. Lights, arc Feb. 23, 336,637 Gerard-Léscuyer, J. M. A. Lights, arc Feb. 23, 336,637 Gerard-Léscuyer, J. M. A. Lights, incandescent Feb. 23, 336,637 Gerard-Léscuyer, J. M. A. Lights, incandescent Feb. 23, 336,638 Hall, A. W. Telephones, mechanical Feb. 23, 336,643 Holcombe, A. G. Telegraphy, fire Feb. 23, Feb. 23, 336,643 Holcombe, A. G. Telegraphy, fire Feb. 23, Feb. 23, Feb. 23, 336,643 Telegraphy, fire Feb. 23, Feb. 23, Feb. 23, Feb. 23, 336,643 Telegraphy, fire Feb. 23, Feb. 23			Meters	
Separators Feb. 16, Separators Feb. 23, Sepa	336,352	Roovers, A. H. and A. W. and Williams, P. G.	Batteries, galvanic	Feb. 16, 1886
336,452 Van Depoele, C. J Lights, arc Feb. 16, 336,459 Van Depoele, C. J Locomotion Feb. 16, 336,479 Fontaine, A. S Annunciators Feb. 16, 336,503 Waterhouse, A. G Lights, arc Feb. 16, 336,510 Criado, L. F Lights, arc Feb. 16, 336,518 Humans, W Magneto-electric, hand-machines Feb. 16, 336,526 Gilliland, E. T Telephones, calls Feb. 23, 336,636 Gilliland, E. T Telephones, systems Feb. 23, 336,608 Watson, J. E Regulators Feb. 23, 336,629 Daft, L Applications, general Feb. 23, 336,635 Gérard-Léscuyer, J. M. A Lights, arc Feb. 23, 336,636 Gérard-Léscuyer, J. M. A Lights, arc Feb. 23, 336,637 Gérard-Léscuyer, J. M. A Lights, incandescent Feb. 23, 336,640 Hall, A. W Telephones, mechanical Feb. 23, 336,643 Holcombe, A. G Telephones, mechanical Feb. 23,		Fisher, F. E.	Separators	Feb. 16, 1886
Sa6,453		Van Daycele C. I	Medical and surgical, body-wear	
336,479 Fontaine, A. S. Annunciators Feb. 16, 336,503 Waterhouse, A. G. Lights, arc Feb. 16, 336,510 Criado, L. F. Lights, systems and appliances Feb. 16, 336,518 Humans, W. Magneto-electric, hand-machines Feb. 16, 336,562 Gilliland, E. T. Telephones, calls Feb. 23, 336,563 Gilliland, E. T. Telephones, systems Feb. 23, 336,608 Watson, J. E. Regulators Feb. 23, 336,622 Coffin, C. L. Applications, general Feb. 23, 336,629 Daft, L. Motors Feb. 23, 336,635 Gérard-Léscuyer, J. M. A. Lights, arc Feb. 23, 336,636 Gérard-Léscuyer, J. M. A. Lights, arc Feb. 23, 336,636 Gérard-Léscuyer, J. M. A. Lights, incandescent Feb. 23, 336,637 Gérard-Léscuyer, J. M. A. Lights, incandescent Feb. 23, 336,643 Hall, A. W. Telephones, mechanical Feb. 23, 336,643 Holcombe, A. G. Telegraphy, fire Feb. 23.		Van Depoele, C. J	Locomotion	Feb. 16, 1886 Feb. 16, 1886
336,503 Waterhouse, A. G. Lights, arc Feb. 16, 336,510 Criado, L. F. Lights, systems and appliances Feb. 16, 336,518 Humans, W. Magneto-electric, hand-machines Feb. 16, Feb. 23, 336,562 Gilliland, E. T. Telephones, calls Feb. 23, 336,608 Watson, J. E. Regulators Feb. 23, 336,622 Coffin, C. L. Applications, general Feb. 23, 336,629 Daft, L. Motors Feb. 23, 336,635 Gérard-Léscuyer, J. M. A. Lights, arc Feb. 23, 336,636 Gérard-Léscuyer, J. M. A. Magneto-electric Feb. 23, 336,636 Gérard-Léscuyer, J. M. A. Lights, incandescent Feb. 23, 336,637 Gérard-Léscuyer, J. M. A. Lights, incandescent Feb. 23, 336,640 Hall, A. W. Telephones, mechanical Feb. 23, 336,640 Holcombe, A. G. Telegraphy, fire Feb. 23, Feb. 23, Feb. 23, 336,640 Holcombe, A. G. Telegraphy, fire Feb. 23, Feb. 23, Feb. 23, Telegraphy, fire Feb. 24, Telegraphy, fire F		Fontaine, A. S.	Annunciators	Feb. 16, 1886
336,510 Criado, L. F Lights, systems and appliances Feb. 16, 336,518 Humans, W Magneto-electric, hand-machines Feb. 16, 336,562 Gilliland, E. T Telephones, calls Feb. 23, 336,608 Watson, J. E Regulators Feb. 23, 336,622 Coffin, C. L Applications, general Feb. 23, 336,629 Daft, L Motors Feb. 23, 336,635 Gérard-Léscuyer, J. M. A Lights, arc Feb. 23, 336,636 Gérard-Léscuyer, J. M. A Magneto-electric Feb. 23, 336,637 Gérard-Léscuyer, J. M. A Lights, incandescent Feb. 23, 336,640 Hall, A. W Telephones, mechanical Feb. 23, 760 Telegraphy, fire Feb. 23, 77 Feb. 23, Feb. 23, Feb. 23,	336,503	Waterhouse, A. G.	Lights, are	Feb. 16, 1886
336,562 Gilliland, E. T Telephones, calls Feb. 23, 336,563 Gilliland, E. T Telephones, systems Feb. 23, 336,608 Watson, J. E Regulators Feb. 23, 336,629 Coffin, C. L Applications, general Feb. 23, 336,639 Daft, L Motors Feb. 23, 336,636 Gérard-Léscuyer, J. M. A Lights, arc Feb. 23, 336,637 Gérard-Léscuyer, J. M. A Magneto-electric Feb. 23, 336,637 Gérard-Léscuyer, J. M. A Lights, incandescent Feb. 23, 336,640 Hall, A. W Telephones, mechanical Feb. 23, 336,643 Holcombe, A. G Telegraphy, fire Feb. 23		Criado, L. F	Lights, systems and appliances	Feb. 16, 1886
336,563 Gilliland, E. T Telephones, systems Feb. 23, 336,668 Watson, J. E Regulators Feb. 23, 336,622 Coffin, C. L Applications, general Feb. 23, 336,639 Daft, L Motors Feb. 23, 336,636 Gérard-Léscuyer, J. M. A Lights, arc Feb. 23, 336,637 Gérard-Léscuyer, J. M. A Magneto-electric Feb. 23, 336,637 Gérard-Léscuyer, J. M. A Lights, incandescent Feb. 23, 336,640 Hall, A. W Telephones, mechanical Feb. 23, 336,643 Holcombe, A. G Telegraphy, fire Feb. 23		Gilliland E T		Feb. 16, 1886 Feb. 23, 1886
336,608 Watson, J. E Regulators Feb. 23, 336,622 Coffin, C. L Applications, general Feb. 23, 336,629 Daft, L Motors Feb. 23, 336,635 Gérard-Léscuyer, J. M. A Lights, arc Feb. 23, 336,636 Gérard-Léscuyer, J. M. A Magneto-electric Feb. 23, 336,637 Gérard-Léscuyer, J. M. A Lights, incandescent Feb. 23, 336,640 Hall, A. W Telephones, mechanical Feb. 23, 336,643 Holcombe, A. G Telegraphy, fire Feb. 23		Gilliland, E. T	Telephones, systems	Feb. 23, 1886
336,629 Coffin, C. L Applications, general Feb. 23, 336,629 Daft, L Motors Feb. 23, 336,635 Gérard-Léscuyer, J. M. A Lights, arc Feb. 23, 336,636 Gérard-Léscuyer, J. M. A Magneto-electric Feb. 23, 336,637 Gérard-Léscuyer, J. M. A Lights, incandescent Feb. 23, 336,640 Hall, A. W Telephones, mechanical Feb. 23, 336,643 Holcombe, A. G Telegraphy, fire Feb. 23,	336,608	Watson, J. E	Regulators	Feb. 23, 1886
336,635 Gérard-Léscuyer, J. M. A Lights, arc Feb. 23, 336,636 Gérard-Léscuyer, J. M. A Magneto-electric Feb. 23, 336,637 Gérard-Léscuyer, J. M. A Lights, incandescent Feb. 23, 336,640 Hall, A. W Telephones, mechanical Feb. 23, 336,643 Holcombe, A. G Telegraphy, fire Feb. 23		Coffin, C. L	Applications, general	Feb. 23, 1886
336,636 Gérard-Léscuyer, J. M. A Magneto-electric Feb. 23, 336,637 Gérard-Léscuyer, J. M. A Lights, incandescent Feb. 23, 336,640 Hall, A. W Telephones, mechanical Feb. 23, 336,643 Holcombe, A. G Telegraphy, fire Feb. 23		Cárand Láconyor I M	Motors	Feb. 23, 1886
336,637 Gérard-Léscuyer, J. M. A. Lights, incandescent. Feb. 23, 336,640 Hall, A. W. Telephones, mechanical Feb. 23, 336,643 Holcombe, A. G. Telegraphy, fire. Feb. 23,		Gérard-Léseuver J. M. A	Magneto electric	Feb. 23, 1886 Feb. 23, 1886
336,640 Hall, A. W ——————————————————————————————————		Gérard-Léscuyer, J. M. A	Lights, incandescent	Feb. 23, 1886
336,643 Holcombe, A. G Telegraphy, fire Feb. 23,	336,640	Hall, A. W.	Telephones, mechanical	Feb. 23, 1886
33h bo3 Maloney J A and Johnson A (* Love		Holcombe, A. G	Telegraphy, fire	Feb. 23, 1886
	336,653	Maloney, J. A. and Johnson, A. G	Keys	Feb. 23, 1886
336,688 Barrett, J. A		Cox. H. F	Railway signals	Feb. 23, 1886 Feb. 23, 1886

No.	Name.	CLASS.	DATE.
336,702	Cox, H. F	Railway signals	Feb. 23, 1886
336,716	Hill, S. A.	Rheostats	Feb. 23, 1886
336,729	Main, W.	Lights, incandeseent	Feb. 23, 1886
336,731	Middleton, R. O	Telephones, mechanical	
336,744	Randall, C. A	Telephones, electrie	
336,773	Weil, L	Alarms	
336,780 336,809	Holcombe, A. G	Annunciators	
336,828	Travis, C. L	Insulators	
336,876	Turnbull, W. C	Telephones, electric	Feb. 23, 1886
336,877	Turnbull, W. C	do	Feb. 23, 1886
336,897	Culp, J. D	Medical and surgical, body-wear	
336,898 336,947	Culp, J. D	Igniting devices, portableFriction generators	
336,961	Tesla, N	Regulators	
336,962	Tesla, N	do	
336,972	Wilson, J. C.	Telephones, ealls	
336,989	Brownson, E. S	Recorders	
336,992	Clark, H. A.	Conductors	
337,000	Holland, J. P.	Applications, tools and machines	
337,004 337,005	Maekie, R. and McCarty, N	Systems of distribution Magneto-electric	
337,010	McCarty, N	do	
337,041	Bain, F	do	Mar. 2, 1886
337,042	Bain, F	do	
337,045	Carter, J. W	Batteries, galvanic	
337,067 337,109	Korfhage, C	Alarms	
337,116	Baumau, H. G	Alarms	
337,123	Borel, F. and Paceaud, E.	Mcters	
337,198	Rebbeek, II. H	Telegraphy, fire	Mar. 2, 1886
337,199	Robb, J. T	Lights, systems and appliances	Mar. 2, 1886
337,229	Barry, C		
337,231 337,232	Bergmann, S.	Telephones, magnetic	Mar. 2, 1886 Mar. 2, 1886
337,254	Edison, T. A. and Bergmann, S.		Mar. 2, 1886
337,260	Hanlon, J. P. A., J. F. and G. O	Connectors	
337,272	Ludwig, J. C	Relays and sounders	Mar. 2, 1886
337,289	Wood, J. J		
327,296	Bergmann, S		
337,298 337,299	Brush, C. F	Batteries, secondarydo	
337,314	Eils, B. E. J		
337,334	Jones, C. S., Crooker, W. W. and Artos, F	Applications, general	Mar. 2, 1886
337,336	Klein, P. H., jr	Lights, incandeseent	Mar. 2, 1886
337,356	Davis, D., jr., and Gale, G. F.	Telegraphy, fire	Mar. 2, 1886
337,385 337,416		Clocksdo	
337,417	Millard G. W. and Clarke J. H	do	Mar. 9, 1886
337,418	Millard, G. W. and Clarke, J. H.	do	Mar. 9, 1886
337,419	Millard, G. W. and Clarke, J. H.	do	Mar. 9, 1886
337,439	Sanford, S. J		Mar. 9, 1886
337,472	Allen, S. M.		
337,477 337,513	Brewer, H. J Moxham, A. J		Mar. 9, 1886
337,548	Baeon, R. A.		Mar. 9, 1886
337,558	Coerper, C	Magneto-electric	Mar. 9, 1886
337,583	Himmer, V	Clocks	Mar. 9, 1886
337,590	Kölzer, J	Repeaters	
337,624 337,626	Schillinger, J. J	Conductors, underground Telegraphy, circuits and systems	Mar. 9, 1000
337,628	Shallenberger, O. B	Regulators	Mar. 9, 1886
337,679	Green, J. J	Meters	Mar. 9, 1886
337.737	Buckley, W. F	Lights, are	Mar. 9, 1886
337,753	Dowling, N	Telephones, details	Mar. 9, 1886
337,775 337,776	Loomis, O. P. and Cooley, H. W.	Regulators	Mar. 9, 1886
337,777	Loomis, O. P. and Cooley, II. W.Loomis, O. P. and Cooley, H. W.Loomis	do Motors	Mar. 9, 1886
337,778	Mather, R. H	Regulators	Mar. 9, 1886
337,793	Sprague, F. J.	Motors	Mar. 9, 1886
337,794	Sprague, F. J.	do	Mar. 9, 1886
337,796	Staus, H. F.	Circuit-closers	Mar. 9, 1886
337,797 337,803	Sweet, D. F		Mar. 9, 1886 Mar. 9, 1886
337,804	Worth, A. B	Applications, general	Mar. 9, 1886
337,824	Eldon, M. S	Magneto-electric	Mar. 16, 1886
337,872	Russell, S	Applications, tools and machines	Mar. 16, 1886

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No.	Name.	Class.	DATE.
337,873	Russell, S	Applications, tools and machines	Mar. 16, 1886
337,885	Stockwell, L. W	Magneto-electric	Mar. 16, 1886
337,896	Van Depoele, C. J	Regulators	Mar. 16, 1886
337,897	Van Depoele, C. J		Mar. 16, 1886
337,899	Van Depoele, C. J	Lights, incandescent	Mar. 16, 1886
337,923 337,931	Darling, W. H.	Lights, systems and appliances Motors	Mar. 16, 1886 Mar. 16, 1886
337,972	Miller, J	Telephones, details	Mar. 16, 1886
338,009	Yale, C. O., Holman, G. F. W. and Barnette, W. J.	Recorders	Mar. 16, 1886
338,022	Bentley, E. M	Locomotion	Mar. 16, 1886
338,023	Bentley, E. M	MotorsLocomotion	Mar. 16, 1886
338,080 338,081	Knight, W. H	do	Mar. 16, 1886 Mar. 16, 1886
338,082	Knight, W. H	do	Mar. 16, 1886
338,083	Knight, W. H	do	Mar. 16, 1886
338,084	Knight, W. H	Motors	Mar. 16, 1886
338,085	Knight, W. H	do	Mar. 16, 1886
338,090 338,115	Loomis, M Terry, S. H	Thermostats Telegraph-poles	Mar. 16, 1886
338,120	Waldo, L	Galvanometers	Mar. 16, 1886 Mar. 16, 1886
338,122	Walther, R. and H	Lights, are	Mar. 16, 1886
338,131	Anderson, H	Connectors	Mar. 16, 1886
338,150	Green, G. F	Locomotion	Mar. 16, 1886
338,169	Forbes, G	Magneto-electric	Mar. 16, 1886
338,174	Knight, W. H	Locomotion	Mar. 16, 1886
338,175 338,178	Knight, W. H	Galvanometers	Mar. 16, 1886 Mar. 16, 1886
338,194	Serson, J		Mar. 16, 1886
338,197	Snowberger, J	Magneto-electric	Mar. 16, 1886
338,208	Thomson, E. and Rice, E. W., jr	Cut-outs, thermal	Mar. 16, 1886
338,224		Locomotion	Mar. 16, 1886
338,260	Gaiser, C. A.		Mar. 23, 1886
338,261	Gaiser, C. A		Mar. 23, 1886
338,263 338,292	Pennell, L. W	Recorders	Mar. 23, 1886 Mar. 23, 1886
338,293	Pennell, L. W	do	Mar. 23, 1886
338,313	Sprague, F. J.	Locomotion	Mar. 23, 1886
338,315	Tarbox, J. E. and Taylor, E. H		Mar. 23, 1886
338,320		Regulators	Mar. 23, 1886
338,321 338,323		Magneto-electric Railway signals	Mar. 23, 1886 Mar. 23, 1886
338,328	Winterhalder, L		Mar. 23, 1886
338,329	Wood, F. B		
338,333	Ball, Ř. E		
338,343	Field, S. D		Mar. 23, 1886
338,344		Telegraphy, printing	Mar. 23, 1886
338,352 338,375	Van Depoele, C. J	Lights, are	Mar. 23, 1886
338,383		Magneto-electric	
338,439	Ray, W. É	Telegraphy, railway-car	Mar. 23, 1886
338,485	Clay, II. T	Locomotion	Mar. 23, 1886
338,491	Dann, J. E. and Lapp, J	Telephones, electric	Mar. 23, 1886
338,492 338,518		Conductors, underground	
338,522	Hastings, C. W	Applications, tools and machines	Mar. 23, 1886
338,542		Lights, filaments and carbons	
338,549	Raworth, J. S	Galvanometers	Mar. 23, 1886
338,550	Raworth, J. S		
338,551	Reinmann, A. L. and C. F		Mar. 23, 1886
338,552 338,556	Reinmann, A. L	Locomotion	
338,588	De Ferranti, S. Z		
338,593	Gordon, A. C		
338,596	Huber, J. L	Meters	Mar. 23, 1886
338,597	Huber, J. L		Mar. 23, 1886
338,619	Sprague, F. J		Mar. 23, 1886
338,620 338,622	Steiger, A. WStout, G. H		Mar. 23, 1886 Mar. 23, 1886
338,660	Dann, J. E. and Lapp, J		Mar. 23, 1886
338,663	Green, G. F		
338,683	Woodward, J. H	Batteries, galvanic	Mar. 23, 1886
338,691	Baldrige, G. W		
338,692	Ball, R. E.	Magneto-electric	
338,697 338,708	Brown, II. P. and F. H		
338,733		Conductors	
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No.	· NAME.	Class.	DATE.
338,747	Holtzer, C. W	Igniting devices	Mar. 30, 1886
338,748	Holtzer, C. W	do	Mar. 30, 1886
338,752	Jönsson, O. F.	Cut-outs, electro-magnetic	'
338,757 338,770	Lasar, G. H	Transmitters Batteries, galvanic	Mar. 30, 1886
338,773	Pond, C. H	Clocks	Mar. 30, 1886 Mar. 30, 1886
338,889	Turnbull, W. C	Telephones, switches	
338,910	Ball, R. E	Magneto-electric	
338,919	Brady, T. H	Lights, systems and appliances	Mar. 30, 1886
338,920 338,927	Brady, T. HCastro, A	Railway-signals	Mar. 30, 1886 Mar. 30, 1886
338,935	Davis, G. H	Alarms	Mar. 30, 1886
338,938	De St. Aubin, C. A. A. T	Telephones, switches	Mar. 30, 1886
338,941	Farmer, M. G	Electrolysis	Mar. 30, 1886
338,971 338,976	Jägel, J. M	Motors	
338,977	Keegan, V. E	do	
338,983	Lamont, H	Telephones, mechanical	Mar. 30, 1886
338,994	Maloney, J. A	do	Mar. 30, 1886
338,995	Maloney, J. A	Tolography quadruples	Mar. 30, 1886
338,996 339,017	Maver, W., jr Schaeffer, G	Telegraphy, quadruplexSeparators	Mar. 30, 1886 Mar. 30, 1886
339,018	Schlesinger, W. M	Locomotion	Mar. 30, 1886
339,043	Coffee, A. J	Telegraphy, fire, alarms and extinguishers	Mar. 30, 1886
339,058	Howell, J. W	Galvanometers	Mar. 30, 1886
339,073	Pope, F. L	Locomotion	
339,079 339,092	Thomson, E. and Rice, E. W	Regulators	Mar. 30, 1886 Mar. 30, 1886
339,094	Grovesteen, M. W.	Alarms	
339,096	Haight, G. E. and Wood, W. H.	Steering and propulsion	
339,121	Turnbull, W. C.	Telephones, electric	Mar. 30, 1886
339,129 339,217	Schaefer, F	Telegraphy, printing	
339,218	Schaefer, F	Lights, sockets and keys	Apr. 6, 1886 Apr. 6, 1886
339,253	Arnold, C. R	Lights, incandescent	
339,264	Carey, J. E	Clocks	
339,278 339,279	Edison, T. A	Locomotion	0
339,278	Johnson, E. H	Systems of distribution	
339,312	McCausland, W. J	Telegraphy, printing	
339,341	Spalding, H. C.	Conductors, underground	
339,363	Belt, P. P		
339,371 339,381	Brady, T. H.	Lights, systems and appliances Recorders	
339,417	Horen, J	Lightning-arresters	
339,431	Ladd, W. J	Electrolysis	
339,449	Maver, W., jr	Repeaters	
339,485 339,499	Shaffer, W. C.——————————————————————————————————	Telegraphy, fire, alarms and extinguishers Telephones, electric	Apr. 6, 1886 Apr. 6, 1886
339,500	Thompson, S. P.	Telephones, magnetic	Apr. 6, 1886
339,501	Thompson, S. P.	Telephones, electric	Apr. 6, 1886
339,540	Fraser, E. J	Applications, general	Apr. 6, 1886
339,541 339,558	Fraser, E. J Kenny, P	Telegraphy, automatic	Apr. 6, 1886 Apr. 6, 1886
339,625	Doolittle, T. B.	Telephones, systems	Apr. 13, 1886
339,626	Doolittle, T. B.	Telephones, switch-boards	Apr. 13, 1886
339,627	Doolittle, T. B	Telephones, systems	Apr. 13, 1886
339,646 339,672	Hallidie, A. S. Mason, G. A.	ConductorsMagneto-electric, hand-machines	
339,688	Pond, C. H	Clocks	
339,706	Smith, W. T	Applications, general	Apr. 13, 1886
339,714	Thomson, E	Lights, sockets and keys	Apr. 13, 1886
339,718	Warner, E. P.	Telephones, calls	Apr. 13, 1886
339,727 339,745	Atkins, E. C. Drawbaugh, D.	Applications, general Telephones, electric	Apr. 13, 1886
339,754	Foote, A. R. S	Lights, systems and appliances	Apr. 13, 1886
339,766	Hastings, H. N	Telephones, details	Apr. 13, 1886
339,772	Hering, C	Magneto-electric	Apr. 13, 1886
339,773 339,777	Hering, C	Conductors	Apr. 13, 1886
339,787	Howe, J Kendall, E. D	do	
339,822	Swan, A	Insulators	Apr. 13, 1886
339,826	Tengvall, A. O.	Valve-controllers	Apr. 13, 1886
339,839 339,844	Batchelor, C. and Walter, H. E.	Magneto-electric Conductors, underground	Apr. 13, 1886
339,888	Hinds, F. A	Valve-controllers	Apr. 13, 1886
339,908	Macdonald, D. B. and Woodman, H. W	Lights, are	Apr. 13, 1886

No.	NAME.	CLASS.	DATE.
339,909	Maloney, J. A	Keys	Apr. 13, 1886
339,930	Reinmanu, A. L. and Ott, C. G	Lights, systems and appliances	Apr. 13, 1886
339,942 339,955	Short, S. H. and Nesmith, J. W.	Locomotiondo	Apr. 13, 1886 Apr. 13, 1886
339,960	Wharton, W., jr., and Samuel, EWilson, J. C	Telegraphy, fire	Apr. 13, 1886
340,028	Blattau, J. A. and Boyden, G. A.	Telephones, switches	Apr. 13, 1886
340,046	Hnrlbut, D. N	Conductors, underground	Apr. 13, 1886
340,065 340,130	Stupakoff, S. H	Lights, arc	Apr. 13, 1886 Apr. 20, 1886
340,134	Macready, R. A.	Keys	Apr. 20, 1886
340,136	Mayer, W., jr	Telegraphy, quadruplex	Apr. 20, 1886
340,137	Maver, W., jr	T: 14	Apr. 20, 1886
340,182 340,203	Woolley, L. G Firman, L. B	Lights, arc	Apr. 20, 1886 Apr. 20, 1886
340,210	Harkness, W	Telegraphy, fire, alarms and extinguishers	Apr. 20, 1886
340,395	Weston, É	Magneto-electric	Apr. 20, 1886
340,396	Weston, E	Lights, incandescent	Apr. 20, 1886
340,397 340,398	Weston, E	Lights, filaments and carbons	Apr. 20, 1886
340,399	Weston, E.	Galvanometers	Apr. 20, 1886 Apr. 20, 1886
340,400	Weston, E.	Lights, sockets and keys	Apr. 20, 1886
340,401	Weston, E	Cut-outs, mechanical	Apr. 20, 1886
340,402	Weston, E	Lights, filaments and carbons	Apr. 20, 1886
340,403 340,404	Weston, E.	Galvanometers Lights, systems and appliances	Apr. 20, 1886 Apr. 20, 1886
340,425	Cox, H. B	Telegraphy, railway-car	Apr. 20, 1886
340,426	Cox, H. B	Connectors	Apr. 20, 1886
340,431	Dorsett, D. H	Conductors, underground	
340,432 340,433	Dorsett, D. H.	do	Apr. 20, 1886 Apr. 20, 1886
340,441	Horack, C. L	Alarms	Apr. 20, 1886
340,448	Little, F. P. and McDonald, W. H	Cut-outs, electro-magnetic	Apr. 20, 1886
340,449	Little, F. P. and McDonald, W. H	Rheostats	
340,460	Rogers, L. H Siemens, E. W	Electrolysis Locomotion	Apr. 20, 1886
$\frac{340,462}{340,474}$	Armstrong, J. T		Apr. 20, 1886
340,483	Carey, J. E	Clocks	Apr. 20, 1886
340,512	Krautz, P	Lights, systems and appliances	Apr. 20, 1886
340,520 340,537	Potts, A	Telegraph-poles Magneto-electrie	Apr. 20, 1886
340,538	Amet, E. H	Galvanometers	Apr. 27, 1886
340,539	Amet, E. H	Regulators	Apr. 27, 1886
340,618	Rogers, C. D	Telegraphy, fire	Apr. 27, 1886
340,684 340,685	Sprague, F. J.	Locomotiondodo	Apr. 27, 1886
340,698	Carlile, G. F		Apr. 27, 1886
340,707	Edison, T. A	Telephones, relays and repeaters	Apr. 27, 1886
340.708	Edison, T. A		
340,709	Edison, T. A. and Gilliland, E. T.	Telephones, switchesLights, systems and appliances	
340,717 340,724	Morison, G. A	Telegraphy, fire, alarms and extinguishers	Apr. 27, 1886
340,734	Seaboldt, B.	Insulators	Apr. 27, 1886
340,815	Payne, M. and Benson, D.	Medical and surgical, body-wear	Apr. 27, 1886
340,853 340,868		Telephoues, electricCut-outs, mechanical	
340,890		Thermostats	
340,911	Glass, G. H. and Clark, W	Telephones, systems	Apr. 27, 1886
340,912	Glass, G. H. and Clark, W	Telephones, calls	Apr. 27, 1886
340,931 341,000	Guthrie J. T	Conductors, anti-inductive	Apr. 27, 1886 May 4, 1886
341,058		Locomotion	
341,059	Schlesinger, W. M	Lights, systems and appliances	May 4, 1886
341,092	Butz, A. M	Valve-controllers	May 4, 1886
341,097 341,110		Magneto-electric	
341,111	Ross, J. S	do	May 4, 1886
341,114	Wilson, J. C.	Telegraphy, fire	May 4, 1886
341,115	Wilson, J. C.	do	May 4, 1886
341,128	Bell A G and C A and Tainter S	Connectors	May 4, 1886
341,213 341,214	Bell, C. A. and Tainter S.	Telephones, electric	May 4, 1886 May 4, 1886
341,259	Marshall, W	do	May 4, 1886
341,263	McLanghlin, J. F.	do	May 4, 1886
341,264		do	
341,287 341,289		Cut-outs, thermal	
341,291	Tisdale, C. D	Railway signals	May 4, 1886
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No.	Name.	Class.	DATE.
341,293	Vanstone, S	Circuit-closers	May 4, 1886
341,303	Woolley, L. G	Magneto-electric	May 4, 1886
341,368	Amet, E. H	Valve-controllers	May 4, 1886
341,370 341,380	Brown, F. H Hey, G. W. and Laass, E	Telephones, magnetic	May 4, 1886
341,384	Lüngen, A	Applications, tools and machines Cut-outs, thermal	May 4, 1886 May 4, 1886
341,449	Carey, J. E.	Clocks	May 11, 1886
341,450	Carey, J. E.	do	May 11, 1886
341,460	Cross, F	Alarms, burglar	May 11, 1886
341,519 341,536	Stuart, C. JZalinski, E. L	Telephones, detailsApplications, tools and machines	May 11, 1886 May 11, 1886
341,537	Zalinski, E. L	do	May 11, 1886
341,552	Carter, J. W., jr	Batteries, galvanic	May 11, 1886
341,553	Clark, H. F	Railway signals	May 11, 1886
341,565 341,566	Finck, J	Igniting devices	May 11, 1886 May 11, 1886
341,573	Harrington, S. H	Car-brakes	
341,579	Johnson, E. H	Telephones, electric	May 11, 1886
341,593	McGinnis, W. T	Medical and surgical, body-wear	May 11, 1886
341,600	Pitkin, J	Batteries, secondary	May 11, 1886
341,620 341,644	Woolley, L. G Edison, T. A	Lights, incandescentdo	May 11, 1886 May 11, 1886
341,654	Healy, C. L	Telegraphy, printing	May 11, 1886
341,655	Healy, C. L	do	May 11, 1886
341,656	Healy, C. L	do	May 11, 1886
341,666 341,694	Le Grande, W. W	Railway-signals	May 11, 1886 May 11, 1886
341,723	Rollins, E. K	Cut-outs, mechanical	May 11, 1886
341,727	Cabell, S. G	Applications, general	May 11, 1886
341,778	Stieringer, L	Lights, incandescent	May 11, 1886
341,788	Arnold, J. McK	Applications, general	May 11, 1886
341,822 341,839	Walcher-Uysdal, R. R. v	Indicators Lights, incandescent	May 11, 1886 May 11, 1886
341,860	Sorley, C		May 11, 1886
341,873	Bayles, H. B		
341,882		Igniting devices	May 18, 1886
341,907 341,909	Harris, A. C	Annunciators	
341,918	Jönsson, O. F	Meters	May 18, 1886
341,926	Lenaerts, L. and L'Olivier, H.	Alarms	
341,981	Woolson, O. C	Magneto-cleetric	
341,990	Batchelor, C.	Tiple in an all and a second	
341,997 342,013	Holtzer C W	Lights, incandescent	May 18, 1886 May 18, 1886
342,018	Johnson, W. S	Valve-controllers	
342,086	Haenichen, F. and O	Clocks	
342,114	Martin, M	Thermostats	
342,157 342,246	Willis, V Enos, J. A	Keys	May 18, 1886 May 18, 1886
342,280	Burdick, J. R	Conductors, underground	May 18, 1886
342,320	Blake, E. C. and Trimnell, E. C.	Insulators	May 25, 1886
342,324	Brandon, A	Conductors, underground	May 25, 1886
342,340	Dudley, W. J.	Telephones, calls	May 25, 1886 May 25, 1886
342,385 342,395	Remington, W. H.——————————————————————————————————	Batteries, secondary Telephones, mechanical	May 25, 1886
342,407	Walter, H	Batteries, galvanic	May 25, 1886
342,421	Birmingham, D. W	Separators	May 25, 1886
342,441 342,459	Jenney, C. D	Magneto-electric	May 25, 1886
342,468	Pendleton, J. H.——————————————————————————————————	Locomotion Telephones, mechanical	May 25, 1886
342,475	Swan, F. A	Galvanometers	May 25, 1886
342,477	Tanner, N. A.	Telephones, details	May 25, 1886
342,481	Tilden, J. A	Recorders	
342,495 342,499	Barker, A. A. Crandell, W. C., jr.	Applications, generalRailway signals	May 25, 1886 May 25, 1886
342,504	Eickemeyer, R	Magneto-electric	May 25, 1886
342,508	Gardner, E. M	Batteries, galvanic	May 25, 1886
342,523	Libbey, H. W.	Conductors	May 25, 1886
342,548	Walker, A. O	Applications, general	May 25, 1886 May 25, 1886
342,549 342,552	Ward, J. H. R. and Jenks, W. J	Cut-outs, electro-magneticSystems of distribution	May 25, 1886
342,553	Westinghouse, G., jr	Induction-coils	May 25, 1886
342,576	Chase, S. A.	Relays and sounders	May 25, 1886
342,587	Eickemeyer, R	Magneto-electric	May 25, 1886
342,588 342,589	Fickemeyer R.	dodo	May 25, 1886
342,594	Gibson, C. D. P	Batteries, secondary	May 25, 1886
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No.	Name.	. Class.	Date.
342,666	Williams, J. T Loe	eomotion	May 25, 1886
342,694	Hoard, J. W. and F. R Con	idaetors	May 25, 1886
342,709		trms	May 25, 1886
342,748 342,751		tems of distribution	May 25, 1886 May 25, 1886
342,775		ephones, electric	June 1, 1886
342,777		lyanometers	June 1, 1886
342,872	Leigh, E. and Townend, T Val	lve-controllers	June 1, 1886
342,881		ephones, relays and repeaters	June 1, 1886
342,892		duetors	
342,947	Beale, A. M. A	luction coils	June 1, 1886
343,008 343,014	Dann, J. E. and Lapp, J An	ti-induction devices	June 1 1886
343,017	Edison, T. A Sys	stems of distribution	June 1, 1886
343,042	Mallett, E. J Tel	legraphy, printing	June 1, 1886
343,043	Mallett, E. J Tel	egraphy, automatic	June 1, 1886
343,044	Mallett, E. J	do	June 1, 1886
343,053	Morse, P. C	lve-controllers	June 1, 1886
343,076 343,081	Short, S. H. Loc Smith, J. J. C. and M Con	nductors	June 1, 1886 June 1, 1886
343,082	Smith, J. J. C. and M	do	June 1, 1886
343,083	Smith, J. J. C		
343,084	Smith, M	do	June 1, 1886
343,087	Stieringer, L. and Vail, J. H Lig	shts, systems and appliances	June 1, 1886
343,095	Williams, C. W. Tel	legraphy, railway-car	June 1, 1886
343,099	Acheson, E. G Con Bentley, E. M Loo	ecomotion	June 1, 1886
343,101 343,129	Ketelium, A. G	comotion	June 1, 1886
343,169	Gleason, J. J	licators	June 8, 1886
343,176	Higham, E. T. and D Mo		
343,188	Moses, O. A Lig	ghts, are	June 8, 1886
343,227	Cutten, E. B. Ele		
343,240	Harrell, J. J	aters	June 8, 1886
343,242 343,266	Jönsson, O. F. Lig Bernstein, A		
343,293	Bowen, C. H		
343,313	Heinze, L Lig	ghts, sockets and keys	June 8, 1886
343,319	Jenkin, F. Lo	coniotion	June 8, 1886
343,332	Munson, A. J. Lig		
343,334	McLaughlin, J. F	lephones, magnetic	June 8, 1886
343,354 343,372	Wyckoff, A. Common Aliman, H. H. Aliman, Aliman, H. H.		
343,373	Holcombe, A. G Re		
343,374	Holcombe, A. G An		
343,392	Pendleton, J. M Ba	tteries, secondary, applications	June 8, 1886
343,393	Pendleton, J. M		
343,394	Pendleton, J. M	do	June 8, 1886
343,444	Doyle, J Mc Gilliland, E. T Te		
343,449 343,450	Grove, J. R		
343,458	Hull, G. S.		
343,468	Maloney, J. A Re	elays and sounders	June 8, 1886
343,469	Maloney, J. A Ke	eys	June 8, 1886
343,487	Paine, H. M.		
343,515 343,602	Burton, G. D		
343,603	Pfannknehe, G. and A Sys		
343,620	Wright, G. A.		
343,642	Kissell, A. S Va	ilve-controllers	June 15, 1886
343,651	Sperry, E. A Co		
343,676	Shelbourne, S. F	nduetors, anti-inductive	June 15, 1886
343,687	Baulieu, W. J	do de de la larms and extinguishers	June 15, 1886
343,691 343,719	Miller, S Lo		
343,738	Smith, J. E Te	legraphy, fire	June 15, 1880
343,742	Thompson, G. F	27S	June 15, 1880
343,811	Golitzinsky, V. V. aud Rymascheffski, P. O. Li	ghts, are	June 15, 1886
343,863	Smith, W. C	ells	June 15, 1886
343,868	Tomney, J		
343,869 343,884	Tomney, J Lo		
343,886	Brusb, C. F		
343,930	Tacy, S. H Ma	agneto-electric	June 15, 1886
343,939	Wilson, D. H.	oplications, general	June 15, 1886
343,953	Field, S. D Te	elegraphy, dynamo	June 15, 1886
0 10 0 1	Lange, P. Cle		
343,976 344,067	Turubull, W. C Te	landan a managan at a	T 00 1000

No.	Name.	CLASS.	DATE.
344,072	Bailie, W. L. and Mills, G. H	Annunciators	Ivna 00 1000
344,073	Ball, J	Annunciators Applications, tools and machines	June 22, 1886 June 22, 1886
344,096	Fov, E. A.	Lightning-rods	June 22, 1886
344,099	Gedge, B. H	Railway signals	June 22, 1886
344,100	Gedge, B. H	do	June 22, 1886
344,121	Mayers, W. S.	Indicators	June 22, 1886
344,153	Barrier, J. J. and De Lavernède, F. T.	Telephones, electric	
344,170	Delmage, W. A	Applications, general	June 22, 1886
344,188	McCarty, N	Lights, are	June 22, 1886
344,233	Barnes, C. M	Annunciators	June 22, 1886
344,252	Dales, J. R. and Markland, W. H.	Lights, arc	June 22, 1886
344,260	Elieson, C. P	Transmission of power	June 22, 1886
344,262	Emley, J. E	Motors	June 22, 1886
344,318	Jones, F. W	Telegraphy, duplex	
344,324	Munsie, J. F	Conductors, underground	
344,333	Turnbull, W. C.	Telephones, magnetic	
344,343 344,344	Buell, C. E	Lights, incandescent	
344,345	Case, W. E	Systems of distribution	
344,346	Case, W. E	Batteries, galvauicdodo	June 29, 1886
344,347	Case, W. E	do	
344,351	Crandall, L. S	Transmitters	June 29, 1000
344,358	Dickens, S. T	Alarms, burglar	
344,417	Slattery, M. M. M	Lights, sockets and keys	June 29, 1886
344,425	Van Depoele, C. J	Locomotion	June 29, 1886
344,430	Wilson, J. C.	Kevs	June 29, 1886
344,467	Wilson, J. C.	Telegraphy, fire	
344,505	Stewart, G. W		
344,514	Berliner, E	Telephones, electric	June 29, 1886
344,523	Gates, W. L.	Batteries, galvanic	June 29, 1886
344,532	Jones, W. A.	Lights, systems and appliances	June 29, 1886
344,542	Parsons, C. A	Magneto-electric	
344,642	Doriot, C	Lights, arc	June 29, 1886
344,643	Doriot, C.	Motors	
344,652 344,679	Hammerstein, G. J.	Lights, systems and appliances	June 29, 1886
344,692	Recordon, E. F.	Motors	June 29, 1886
344,720	Thomson, E. and Rice, E. W., jr Carpenter, F. R	Lights, sockets and keys	June 29, 1886
344,732	Fondersmith, H	Conductors, underground	June 29, 1886 June 29, 1886
344,736	Hinckley, H	Car-brakes	June 29, 1886
344,750	Platt, W. S.	Batteries, galvanic	June 29, 1886
344.755	Stitzel, F. and Weinedel, C	Railway signals	June 29, 1886
344,764	Woodward, A. T	Conductors, underground	June 29, 1886
344,772	Cuttriss, C	Telegraphy, automatic	June 29, 1886
344,801	Freeman, W. E.	Magneto-electric	June 29, 1886
344,802	Freeman, W. E.	Lights, arc	June 29, 1886
	RE	ISSUES.	
10,663	Drake, C. C	Cut-outs, electro-magnetic, reissue of 280,916	Nov. 24, 1885
10,711	Hess, A. T	Annunciators, reissue of 288,570	Apr. 13, 1886
10,720	Haenichen, F. and O	Clocks, reissue of 316,360	May 11, 1886
10,738	Romanze, O	Lights, arc, reissue of 330,351	June 22, 1886
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APPENDIX No. V.

PART III.

CONSISTING OF A

ALPHABETICAL INDEX OF ALL PATENTS

RELATING TO

ELECTRICITY

Issued from July 1, 1885, to June 30, 1886, inclusive, giving names of Inventors, numbers and dates of Patents, and the sub-class to which each belongs.



ALPHABETICAL INDEX

OI

PATENTS RELATING TO ELECTRICITY

FROM JULY 1, 1885, TO JUNE 30, 1886.

No.	Name.	Class.	DATE.
342,892	Acheson, E. G	Conductors	June 1, 1886
343,099	Acheson, E. G	do	June 1, 1886
335,102	Adams, J. S	Lights, systems and applianecs	Feb. 2, 1886
340,537	Adams, T. E		Feb. 2, 1886 Apr. 27, 1886
329,874	Ahearn, T.		Nov. 10, 1885
335,791	Alabaster, H. and Gatehouse, T. E.	Telephones, electric	Feb. 9, 1886
327,375	Allen, J. G.	Lights, are	Sept. 29, 1885
337,109	Allen, R. N	Locomotion	Mar. 2, 1886
337,472	Allen, S. M	Conductors, underground	Mar. 9, 1886
326,933	Amet, E. H	Valve-controllers	
326,934	Amet, E. H	do	
328,556	Amet, E. H.	do	,
340,538	Amet, E. H	Galvanometers	Apr. 27, 1886
340,539	Amet, E. H	Regulators	Apr. 27, 1886
341,368 335,171	Amet, E. H	Valve-controllers	May 4, 1886
338,131	Anderson, G. K.	Telegraphy, printing	Feb. 2, 1886 Mar. 16, 1886
340,474	Armstrong, J. T	Batteries, galvanie	Apr. 20, 1886
328,831	Arnold, C. R	Lights, sockets and keys	Oct. 20, 1885
328,832	Arnold, C. R	Lights, systems and appliances	Oct. 20, 1885
339,253	Arnold, C. R	Lights, incandescent	Apr. 6, 1886
341,788	Arnold, J. MeK	Applications, general	May 11, 1886
324,799	Athearn, W. E	Telegraphy, duplex	Aug. 25, 1885
339.727	Atkins, E. C.	Applications, general	Apr. 13, 1886
331,754	Atkinson, P	Friction generators	Dec. 8, 1885
334,153	Babcoek, G. H	Applications, tools and machines	Jan. 12, 1886
334,154	Babcock, G. H	do	Jan. 12, 1886
324,635	Baeon, M	Indicators	Aug. 18, 1885
337,548	Baeon, R. A	Lights, systems and appliances	Mar. 9, 1886
332,987	Bailey, H. L	Clocks	Dec. 22, 1885
331,674	Bailey, R. A	Valve-eontrollers	Dec. 1, 1885
344,072	Bailie, W. L. and Mills, G. H	Annunciators	June 22, 1886
337,041	Bain, F	Magneto-electric	Mar. 2, 1886 Mar. 2, 1886
337,042 338,691	Baldrige, G. W	Transmitters	Mar. 30, 1886
339,129	Baldrige, G. W	Telegraphy, printing	Apr. 6, 1886
336,078	Ball, C. E	Alarms	Feb. 16, 1886
329,118	Ball, C. M	Regulators	
344,073	Ball, J	Applications, tools and machines	
336,780	Ball, R. E.	Regulators	Feb. 23, 1886
338,333	Ball, R. E	do	Mar. 23, 1886
338,692	Ball, R. E	Magneto-electric	Mar. 30, 1886
338,910	Ball, R. E	do	Mar. 30, 1886
330,368	Barbier, R. P.	Telephones, systems	Nov. 17, 1883
342,495	Barker, A. A.		May 25, 1886
344,233	Barnes, C. M	Annunciators	
323,625	Barnes, R. F	Lights, systems and appliances	Aug. 4, 1885
332,319	Barrett, J. A.	Conductors, underground	Dec. 15, 1885
336,688 344,153	Barrett, J. A Barrier, J. J. and De Lavernède F. T	Galvanometers Telephones, electric	June 22, 1886
337,229	Barry, C	Railway signals	Mar. 2, 1886
329,698	Barry, J	Thermostats	Nov. 3, 1888
338,383	Batchelor, C	Magneto-electrie	Mar. 23, 1886
341.990	Batchelor, C.	do	May 18, 1886
339,839	Batchelor, C. and Walter, H. E	do	Apr. 13, 1886
343,687	Baulieu, W. J	Telegraphy, fire, alarms and extinguishers	June 15, 1886
343,691	Baulieu, W. J	do	June 15, 1886
337,116	Bauman, H. G.	AlarmsLights, systems and applianees	Mar. 2, 1886
341,873			May 18, 1886

No.	NAME.	Class.	DATE.
342,775	Beale, A	Telephones, electric	June 1, 1886
342,947	Beale, A. M. A	Induction-coils	June 1, 1886
334,158	Beard, G. W	Applications, general	Jan. 12, 1886
322,033	Beck, C. F	Lights, are	July 14, 1885
329,001	Beedy, S. E	Telephones, electric	
339,844	Beeler, J	Conductors, underground	Apr. 13, 1886
338,697 335,417	Beers, J. L Beidler, H. M	Annunciators————————————————————————————————————	Mar. 30, 1886 Feb. 2, 1886
341,213	Bell, A. G. and C. A., and Tainter, S	Telephones, radiophones	May 4, 1886
336,081	Bell, C. A	Telephones, electric	Feb. 16, 1886
336,082	Bell, C. A	do	
336,083	Bell, C. A	Telephones, systems	Feb. 16, 1886
336,203	Bell, C. A	Telephones, electric	Feb. 16, 1886
341,214	Bell, C. A. and Tainter, S	do	May 4, 1886
339,363 334,069	Belt, P. P.	Cut-outs, electro-magnetic	Apr. 6, 1886 Jan. 12, 1886
322,517	Bentley, C. D Bentley, E. M	Telephones, mechanical Locomotion	July 21, 1885
338,022	Bentley, E. M	do	Mar. 16, 1886
338,023	Bentley, E. M	Motors	Mar. 16, 1886
343,101	Bentley, E. M	Loeomotion	June 1, 1886
343,884	Bentley, E. M	do	June 15, 1886
329,618	Benton, C. H	Lights, sockets and keys	Nov. 3, 1885
337,231	Bergmann, S	Telephones, electric	Mar. 2, 1886
337,232 337,296	Bergmann, S	Telephones, magnetic	Mar. 2, 1886 Mar. 2, 1886
341,723	Bergmann, S	Lights, systems and appliancesCut-outs, mechanical	May 11, 1886
340,853	Berliner, E	Telephones, electric	Apr. 27, 1886
344,514	Berliner, E	do	June 29, 1886
343,266	Bernstein, A	Cut-outs, mechanical	June 8, 1886
331,275	Beverlen, A	Telegraphy, printing	Dec. 1, 1885
342,421	Birmingham, D. W	Separators	May 25, 1886
324,356	Black, W. T	Telephones, mechanical	Aug. 18, 1885
342,320 340,028	Blake, E. C. and Trimnell, E. C	Insulators Telephones, switches	May 25, 1886 Apr. 13, 1886
324,808	Bobrick, G. A	Alarms	Aug. 25, 1885
333,815	Body, M	Electrolysis	Jan. 5, 1886
331,609	Boissier, II. R	do	Dec. 1, 1885
335,105	Boissier, H. R	Magneto-electric	
323,108	Bollmann, L.	do	
336,284	Bonsall, E	Telegraphy, automatic	
333,816 337,123	Bonta, J. W	Telephones, electric	
321,788	Borel, F. and Paccaud, E Bossard, A	Meters Lights, systems and appliances	
343,293	Bowen, C. H	Conductors	
324,978	Bowman, A. H	Lights, arc	
332,480	Boyle, J. C	Indicators	Dec. 15, 1885
335,499		Hcaters	Feb. 2, 1886
324,075	Bradley, J. J		
323,105	Bradley, S	Lightning-rods	July 28, 1885
328,447 338,919	Brady T H	Systems of distribution	Oct. 13, 1885 Mar. 30, 1886
338,920	Brady T H	do	Mar. 30, 1886
339,371	Brady, T. H	do	Apr. 6, 1886
342,324	Brandon, A	Conductors, underground	May 25, 1886
323,902	Brewer, H. J	Batteries, galvanic	Aug. 11, 1885
323,903		do	Aug. 11, 1885
323,904		do	
323,905 337,477		do	
327,997		Annunciators	Oct. 13 1885
325,495	Brooks, D	Conductors, underground	Sept. 1, 1885
340,931	Brooks, D., jr	Conductors, anti-inductive	Apr. 27, 1886
323,269		Telephones, systems	July 28, 1885
324,746	Brown, F. H	Telegraphy, circuits and systems	Aug. 18, 1885
341,370	Brown, F. H	Telephones, magnetic	May 4, 1886
324,530 325,389	Brown H P	Lights, sockets and keysLights, systems and appliances	Aug. 18, 1885 Sept. 1, 1885
325,390	Brown, H. P	Lights, systems and appliances	Sept. 1, 1885
325,391		do	
330,463		Electro-magnets	
330,464	Brown, II. P	Lights, systems and appliances	Nov. 17, 1885
330,465	Brown, H. P.	do	Nov. 17, 1885
330,466		Cut-outs, electro-magnetic	
337,923 338,708	Brown H P and E H	Lights, systems and appliances Rheostats	Mar. 16, 1886
336,989	Brownson, E. S.	Recorders	Mar. 2 1886
329,808	Bruns, C. L	Cut-outs, electro-magnetic	Nov. 3, 1885
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No.	Name.	CLASS.	DATE.
331,764	Brush, C. F	Lights, incandescent	Dec. 8, 1885
335,269	Brush, C. F	Cut-outs, mechanical	Feb. 2, 1886
336,087	Brush, C. F	Magneto-electric	Feb. 16, 1886
337,298	Brush, C. F	Batteries, secondary	Mar. 2, 1886
337,299	Brush, C. F	do	Mar. 2, 1886
343,886 337,737	Buelley W F	Lights, are	June 15, 1886 Mar. 9, 1886
344.343	Buell, C. E	Lights, incandescent	June 29, 1886
344,344	Buell, C. E	Systems of distribution	June 29, 1886
333,443	Bulen, G. F	Thermostats	
335,560	Bullock, C	Locomotion	Feb. 9, 1886
325,653 332,047	Bunnell, J. H	ConnectorsConductors, underground	Sept. 8, 1885 Dec. 8, 1885
342,280		do	May 18, 1886
327,919	Burmann, J	Alarms, burglar	Oct. 6, 1885
326,268	Burnley, W	Telephones, magnetic	Sept. 15, 1885
326,269	Burnley, W	Telephones, electrie	Sept. 15, 1885
326,270	Burnley, W	Induction-coils	Sept. 15, 1885
335,501 335,502	Burnley, W		
322,895	Burton, G. D	Lights, are	
341,128	Burton, G. D	Connectors	May 4, 1886
343,515	Burton, G. D	X7.1	
341,092 329,621	Butz, A. M.——————————————————————————————————	Valve-controllersSystems of distribution	
341,727	Cabell, S. G	Applications, general	
324,358	Cabot, J. A	Telephones, switches	Aug. 18, 1885
324,979	Cabot, J. A	Lights, sockets and keys	Aug. 25, 1885
324,980	Cabot, J. A	Cut-outs, electro-magnetic	
324,981 333,194	Cabot, J. A	Lights, filaments and carbons	
333,727	Cain, J	Lights, areLights, systems and appliances	
329,887	Caples, H. L. and Lewis, W. W	Conductors, underground	Nov. 10, 1885
334,637	Card, G. F	Car-brakes	Jan. 19, 1886
342,777	Cardew, P	Galvanometers	June 1, 1886
335,681	Cardwell, G. A	Telegraphy, printing	Feb. 9, 1886
335,682 334,745	Cardwell, G. A. and Fitch, F. K	Clocks	Feb. 9, 1886 Jan. 26, 1886
339,264	Carey, J. E	do	Apr. 6, 1886
340,483	Carey, J. E	do	Apr. 20, 1886
341,449	Carey J. E.	do	May 11, 1886
341,450 324,225	Carey, J. E	C'anductora	May 11, 1886 Aug. 11, 1885
340,698	Carlile, G. F	Conductors Telegraphy, railway-car	Apr. 27, 1886
344,720	Carpenter, F. R.	Separators	June 29, 1886
337,045	Carter, J. W	Batteries, galvanic	Mar. 2, 1886
341,552	Carter, J. W., jr	do	
344,345 344,346	Case, W. E	do	June 29, 1886
344.347	Case, W. E	do	June 29, 1886
322,681	Casey, T. A	Magnetic locks and bolts	July 21, 1885
322,900	Castro, A	Steering and propulsion	July 28, 1885
338,927 332,638	Castro, A	Railway signals————————————————————————————————————	
342,576	Chase, S. A.	Relays and sounders	May 25, 1886
333,110	Clark, E	Conductors	Dec. 29, 1885
333,111	Clark, E	do	Dec. 29, 1885
333,394	Clark, E. and Richards, T. A	Managara alaysis	Dec. 29, 1885
330,095 336,992	Clark, E. P	Magneto-electric	
341,553	Clark, H. F	Railway-signals	May 11, 1886
324,008	Clark, J. E. L. and W. J. K., and Bowman, R. D.	Lights, are	Aug. 11, 1885
324,009	Clarke, C. L	Igniting devices, portable	Aug. 11, 1885
324,010 327,525	Clarke, C. L		Oct. 6, 1885
327,526	Clarke, C. L		
327,527	Clarke, C. L	do	Oct. 6, 1885
327,657	Clarke, C. L	Circuit-closers	Oct. 6, 1885
343,008	Clarke, C. L	Electro-magnets	June 1, 1886
327,381 338,485	Clay H T	Locomotiondo	Mar. 23, 1886
325,500	Cleaver, J. B	Telephones, mechanical	Sept. 1, 1885
330,873	Cobb, H. B	Conductors	Nov. 24, 1885
330,874	Cobb. S. B	do	Nov. 24, 1889
337,558	Cærper, C	Magneto-electric	Mar. 9, 1886
339,043	Conee, A. J	Telegraphy, fire, alarms and extinguishers	mar. 50, 1550

No.	Name.	CLASS.	DATE.
339,381	Coffee A, J	Recorders	Apr. 6, 1886
336,622	Coffin, C. L	Applications, general	Feb. 23, 1886
341,882	Cogswell, A. F., Young, W. and Haldeman, J. R.	Igniting devices	May 18, 1886
327,382	Cohen, R. L	Locomotion	Sept. 29, 1885
332,383	Cole, J. W. and Knudsen, H	Lightning-rods	Dec. 15, 1885
332,496 323,500	Cornell, G	Indicators Lights, filaments and carbons	Dec. 15, 1885
330,379	Cousins, J. L	Valve-controllers	Nov. 17, 1885
335,058	Cowles, A. H	Heaters	Jan. 26, 1886
324,658 $335,059$	Cowles, E. H. and A. H. Cowles, E. H. and A. H.	Applications, general	Aug. 18, 1885 Jan. 26, 1886
324,659	Cowles, E. H., Mabery, C. F. and Cowles, A. H.	Applications, general	Aug. 18, 1885
327,383	Cox, G. S.	Conductors, underground	Sept. 29, 1885
340,425 340,426	Cox, H. B	Telegraphy, railway-car	Apr. 20, 1886 Apr. 20, 1886
328,012	Cox, H. F	Conductors, underground	Oct. 13, 1885
336,701	Cox, H. F	Railway signals	Feb. 23, 1886
336,702 $344,351$	Cox, H. FCrandall, L. S	Transmitters	Feb. 23, 1886 June 29, 1886
342,499	Crandell, W. C., jr	Railway signals	May 25, 1886
336,510	Criado, L. F	Lights, systems and appliances	Feb. 16, 1886
323,918 341,460	Crockett, C. H. and Allen, C. C	Magnetic locks and boltsAlarms, burglar	
341,997	Crossley, L. J. and Hicks, J. J.	Lights, incaudescent	
326,021	Cruickshank, G. M	Conductors, lead-covered	
336,897 336,898	Culp, J. D	Medical and snrgical, body-wear Igniting devices, portable	Mar. 2, 1886
324,751	Curtiss, R. M.	Applications, tools and machines	Aug. 18, 1885
324,752	Cushman, H. and Hall, J. P.		
324,305 327,143	Cutten, E. B		
343,227	Cutten, E. B	Electro-magnets	June 8, 1886
344,772 322,915	Cuttriss, C		
322,916	Daft, L.		
325,915	Daft, L	Locomotion	Sept. 8, 1885
336,629 334,353	Daft, L Dales, J. R. and Adams, E. L		
344,252	Dales, J. R. and Markland, W. H		
338,491	Dann, J. E. and Lapp, J	Telephones, electric	Mar. 23, 1886
338,492 338,660	Dann, J. E. and Lapp, J	do	Mar. 23, 1880 Mar. 23, 1886
343,014	Dann, J. E. and Lapp, J	Anti-induction devices	Jnne 1, 1886
337,931	Darling, W. H.		
333,285 336,095	Davis, A. W. S.		
337,356	Davis, D., jr. and Gale, G. F	Telegraphy, fire	Mar. 2, 1886
338,935 331,186	Davis, G. H Davis, J. P	Alarms Telephones, systems	
327,536		Railway signals	Oct. 6, 1885
332,061	Deblicux, B. N	Insulators	Dec. 8, 1885
338,588 341,097	De Ferranti, S. Z.	Magneto-electric	Mar. 23, 1886 May 4 1886
333,838	Delamare-Deboutteville, E. and Malandin,	Applications, tools and machines	Jan. 5, 1886
322,427	L. P. C.		
322,427 322,688	Delany, P. B	Telegraphy, multiplex	July 21, 1885
322,689	Delany, P. B	Telegraphy, circuits and systems Telegraphy, printing	July 21, 1885
322,690 322,691	Delany, P. B.	Telegraphy, multiplex	July 21, 1885
322,692	Delany, P. B.	do	July 21, 1885
322,394	Delany, P. B.	do	July 21, 1885
322,695 322,696		dodo	
322,808	Delany, P. B	do	July 21, 1885
322,809	Delany, P. B	do	July 21, 1885
322,693 344,170	Delmage, W. A	Telegraphy, printingApplications, general	July 21, 1885 June 22, 1886
331,042	De Mier, J. R.	Telegraphy, railway-car	Nov. 24, 1885
323,920	Denison, R. A	Conductors	Aug. 11, 1885
334,850 333,614	De Redon, C. F	Conductors, underground Bells	Jan. 26, 1886
338,938	De St. Aubin, C. A. A. T	Telephones, switches	Mar. 30, 1886
323,921 344,358	Dev, C. E	Annunciators	Ang. 11, 1885
329,723	Dickenson, W	Alarms, burglar———————————————————————————————————	Nov. 3, 1885
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Йo.	NAME.	CLASS.	Date.
334,517	Dickinson, S. C	Clocks	Jan. 19, 1886
329,724	Dieckmann, G. F	Batteries, galvanic	Nov. 3, 1885
324,666	Diehl, P	Magneto-electric	Aug. 18, 1885
324,667	Diehl, P	Motors	Aug. 18, 1885
325,659 325,660	Dolbear, A. E.	Telephones, systems Telephones, electric	Sept. 8, 1885 Sept. 8, 1885
335,436	Doolittle, T. B	Telcphones, systems	Feb. 2, 1886
339,625	Doolittle, T. B	do	
339,626	Doolittle, T. B	Telephones, switch-boards	Apr. 13, 1886
339,627 344,642	Doriot, C	Telephones, systems	Apr. 13, 1886 June 29, 1886
344,643	Doriot, C	Motors	June 29, 1886
322,529	Dorsett, D. H		July 21, 1885
340,431	Dorsett, D. H		
340,432 340,433	Dorsett, D. H		
335,060	Doubleday, H. M.	Systems of distribution	
333,932	Dowling, N	Telephones, magnetic	Jan. 5, 1886
335,510	Dowling, N	Telephones, electric	
335,511 337,753	Dowling, N	Telephones, details	
343,444	Doyle, J	Motors	June 8, 1886
336,040	Drake, C. C.	Cut-outs, electro-magnetic	Feb. 9, 1886
335,687	Drake, J. I	Meters	
339,745 342,340	Drawbaugh, D	Telephones, electric	
332,193	Duperow, M	Telegraphy, circuits and systems	
326,487	Du Shane, J	Lights, are	Sept. 15, 1885
332,649	Dyer, R. N.		
335,275 331,386	Dyer, R. N.——————————————————————————————————	Applications, tools and machines	
332,705	Eames, H. H	Electrolysis	Dec. 22, 1885
337,385	Eastman, S	Clocks	Mar. 9, 1886
331,119	Eaton, G. H	Alarms	
328,572 328,573	Edison, T. A	Magneto-electric Lights, systems and appliances	Oct. 20, 1885 Oct. 20, 1885
328,574	Edison, T. A		Oct. 20, 1885
328,575	Edison, T. A	do	Oct. 20, 1885
329,030	Edison, T. A.	Telephones, electric	Oct. 27, 1885 Dec. 29, 1885
333,289 333,290	Edison, T. A.	Telegraphy, duplexdodo	Dec. 29, 1885
333,291	Edison, T. A	Telegraphy, quadruplex	Dec. 29, 1885
334,853	Edison, T. A	Lights, filaments and carbons	Jan. 26, 1886
339,278 339,279	Edison, T. A.	Locomotion	Apr. 6, 1886 Apr. 6, 1886
340,707	Edison, T. A	Telephones, relays and repeaters	Apr. 27, 1886
340,708	Edison, T. A	Telephones, calls	Apr. 27, 1886
341,644	Edison, T. A	Lights, incandescent	May 11, 1886
341,839 343,017	Edison, T. A.	Systems of distribution	May 11, 1886 June 1, 1886
337,254	Edison, T. A. and Bergmann, S	Telephones, electric	Mar. 2, 1886
340,709	Edison, T. A. and Gilliland, E. T.	Telephones, switches	Apr. 27, 1886
327,073	Edmunds, H. and Howard, C. T	Telephones, systems	Sept. 29, 1885
324,369 329,294	Edwards, REhrlich, L	Alarms, burglardodo	Aug. 18, 1885 Oct. 27, 1885
342,504	Eickemeyer, R.	Magneto-electric	May 25, 1886
342,587	Eickemeyer, R	do	May 25, 1886
342,588	Eickemeyer, R	do	May 25, 1886 May 25, 1886
342,589 337,314	Eickemeyer, R. Eils, B. E. J.	Telegraphy, duplex	May 25, 1886 Mar. 2, 1886
326,957	Eisenhart, C. A	Applications, general	Sept. 29, 1885
331,121	Eisenhart, C. A	Induction-coils	Nov. 24, 1885
329,152 337,824	Elden, C. F.	Lightning-arresters	Oct. 27, 1885 Mar. 16, 1886
344,260	Eldon, M. S Elieson, C. P	Magneto-electric Transmission of power	June 22, 1886
323,129	Ellis, C. S	Circuit-closers	July 28, 1885
321,956	Ellis, J. W	Conductors, underground	July 14, 1885
321,426 344,262	Ells, J. W	Valve-controllers	July 7, 1885 June 22, 1886
330,879	Emley, J. E Emmner, J., jr		Nov. 24, 1885
331,388	Enos, J. A.	Locomotion	Dec. 1, 1885
342,246	Enos, J. A	do	May 18, 1886
335,996 332,066	Eschbach, F. L	MotorsThermostats	Feb. 9, 1886 Dec. 8, 1885
340,868	Facer, W. E Fairchild, J. M	Cut-outs, mechanical	Apr. 27, 1886
322,169	Farmer, M. G.	Electrolysis	July 14, 1885
322,170	Farmer, M. G.	do	July 14, 1885

No.	Name.	- Class.	DATE.
322,918	Farmer, M. G	Telegraphy, automatic	July 28, 1885
323,650	Farmer, M. G	Regulators	Aug. 4, 1885
323,651	Farmer, M. G	Heaters	Ang. 4, 1885
323,652	Farmer, M. G	Motors	Aug. 4, 1885
323,653 325,920	Farmer, M. G	Telephones, relays and repeaters	Aug. 4, 1885 Sept. 8, 1885
335,905	Farmer, M. G	Electrolysis	Feb. 9, 1886
338,941	Farmer, M. G	do	Mar. 30, 1886
325,520	Farnham, I. H	Indicators	Sept. 1, 1885
328,578	Farnham, I. H	Telephones, calls	Oct. 20, 1885
326,207	Favor, L. B. and Jacobs, C. A	Indicators	Sept. 15, 1885
328,929	Faweett, W. N. and Huntley, G. F	Insulators	Oct. 27, 1885
334,763 323,134	Fay, C. NFaymonville, B	Conductors	Jan. 26, 1886 July 28, 1885
332,336	Fee, J. D	Recorders Telegraphy, railway-car	Dec. 15, 1885
334,365	Ferguson, A. C.	Lights, are	Jan. 12, 1886
334,366	Ferguson, A. C	Lights, systems and appliances	Jan. 12, 1886
324,824	Field, F. R.	Clocks	Aug. 25, 1885
328,769	Field, F. R.	do	Oct. 20, 1885
338,343	Field, S. D	Telegraphy, dynamo	Mar. 23, 1886
338,344	Field, S. D.	Telegraphy, printing	Mar. 23, 1886
343,953	Field, S. D.——————————————————————————————————	Telegraphy, dynamo	June 15, 1886
341,565 341,566	Finek, J	do	May 11, 1886 May 11, 1886
328,305	Firman, L. B	Telephones, systems	
340,203	Firman, L. B	Telegraphy, fire	Apr. 20, 1886
335,998	Fisher, F. E	Motors	Feb. 9, 1886
335,999	Fisher, F. E	Bells	Feb. 9, 1886
336,000	Fisher, F. E	Magneto-electrie	Feb. 9, 1886
336,001	Fisher, F. E	Aununciators	Feb. 9, 1886
336,002 336,003	Fisher, F. E.	Telephones, calls	Feb. 9, 1886 Feb. 9, 1886
336,004	Fisher, F. E	Clocks	Feb. 9, 1886
336,402	Fisher, F. E	Separators	Feb. 16, 1886
324,311	Fiske, B. A	Lights, are	Aug. 11, 1885
334,222	Fitch, H. A	Applications, general	Jan. 12, 1886
333,292 323,504	Fitz-Gerald, D. G. and Jones, T. J	Batteries, secondary	
323,504	Fletcher, J. R	Lights, systems and appliances	
328,205 344,732	Flint, F. W	Indicators	
336,479	Fondersmith, H	Annunciators	
339,754	Foote, A. R. S	Lights, systems and appliances	Apr. 13, 1886
333,063	Foote, D. S	Annunciators	
338,169	Forbes, G	Magneto-electrie	
331,955	Ford, W. S.	Telephones, switch-boards	
326,028	Forster, F. E	Indicators	
323,311 331,390	Fortier, C. L	Telephones, magneticMaguetic locks and bolts	July 28, 1885 Dec. 1, 1885
344,096	Foy, E. A	Lightning-rods	June 22, 1886
333,739	France, S		
339,540		Applications, general	
339,541	Fraser, E. J	do	Apr. 6, 1886
332,388	Fraser, H. T. O		Dec. 15, 1885
344,801		Magneto-electric	June 29, 1886
344,802 335,806		Lights, arc	June 29, 1886 Feb. 9, 1886
325,795		Lights, systems and appliances	Sept. 8, 1885
325,796	Freese, H. E		Sept. 8, 1885
321,960	Freeto, J. H.		July 14, 1885
339,092	Frieseke, A. C.	Recorders	Mar. 30, 1886
322,884	Fuller, J. E	Telephones, magnetie	July 21, 1885
328,022	Fyfe, A. L. and Main, J	Lights, are	Oct. 13, 1885
334,073 333,742	Gage, G. A. and Crary, C. W	Lights, systems and appliances	Jan. 12, 1886 Jan. 5, 1886
338,260	Gaiser, C. A	Electro-magnets	Mar. 23, 1886
338,261	Gaiser, C. A	do	Mar. 23, 1886
326,637	Gardanier, G. W	Telegraphy, quadruplex	Sept. 22, 1885
328,208	Gardner, E. M.	Batteries, galvanic	Oct. 13, 1885
336,101	Gardner, E. M	Batteries, secondary	Feb. 16, 1886
336,102	Gardner, E. M.	Dettain valuesia	
342,508	Gardner, E. M.	Batteries, galvanic	May 25, 1886 Jan. 12, 1886
334,167 335,186	Gardner, W. F		
		Alarms, burglar	Aug. 11, 1885
	Garrett, H		
324,019 323,138	Garrett, H Gassett, O	Locomotion	July 28, 1885
324,019	Gassett, OGassett, O		July 28, 1885 Sept. 15, 1885

No.	Name.	Class.	Date.
332,071	Gavitt, J. K. G	Applications, general	Dec. 8 1885
335,025	Gaynor, T. F	Telegraphy, fire	Jan. 26, 1886
335,026	Gavnor, T. F	do	
335,027	Gaynor, T. F	do	Jan. 26, 1886
331,630 344,099	Geary, J Gedge, B. H	Igniting devices Railway-signals	Dec. 1, 1885
344,100	Gedge, B. H	do	June 22, 1886
336,635	Gérard-Léscuyer, J. M. A.	Lights, are	Feb. 23, 1886
336,636	Gérard-Léscuyer, J. M. A.	Magneto-electric	Feb. 23, 1886
336,637 330,226	Gérard-Léscuyer, J. M. A	Applications, tools and machines	Feb. 23, 1886
342,594	Gibson, C. D. P	Batteries, secondary	May 25 1886
331,052	Gillett, W	Telephones, electric	
324,678	Gilliland, E. T	Telephones, switches	Aug. 18, 1885
327,080	Gilliland, E. T.	Conductors	Sept. 29, 1885
334,014 335,693	Gilliland, E. T	Telephones, systems, automatic Magneto-electric, hand-machines	
336,562	Gilliland, E. T	Telephones, calls	
336,563	Gilliland, E. T.	Telephones, systems	
343,449	Gilliland, E. T.	Telephones, magnetic	June 8, 1886
323,663	Gilliland, J. F	Relays and sounders	Ang. 4, 1885
327,940 338,518	Gilliland, J. F	Telephones, mechanical Conductors, underground	Oct. 6, 1885 Mar. 23, 1886
340,911	Glass, G. H. and Clark, W	Telephones, systems	
340,912	Glass, G. H. and Clark, W	Telephones, calls	Apr. 27, 1886
343,169	Gleason, J. J	Indicators	June 8, 1886
329,732	Godfrey, J	Telephones, details	Nov. 3, 1885
324,551 343,811	Goldenberg, L Golitzinsky, V. V. and Rymascheffski, P. O	Lights, systems and appliancesLights, are	Aug. 18, 1885 June 15, 1886
324,248	Goodwin, H. K	Telephones, systems	Aug. 11, 1885
338,593	Gordon, A. C	Telegraphy, fire, alarms and extinguishers	Mar. 23, 1886
325,531	Gould, J. H	Conductors, underground	Sept. 1, 1885
327,790	Grauert, E	Magneto-electric	Oct. 6, 1885
329,386 338,150	Gray, E	Telegraphy, reed	Oct. 27, 1885 Mar. 16, 1886
338,224	Green, G. F	do	Mar. 16, 1886
338,663	Green, G. F	do	Mar. 23, 1886
327,391	Green, J. J.	Meters	Sept. 29, 1885
337,679 326,498	Green, J. J.	Lights, systems and appliances	Mar. 9, 1886 Sept. 15, 1885
333,008	Griswold, H. P	Steering and propulsion	Dec. 22, 1885
343,450	Grove, J. R	Meters	June 8, 1886
322,818	Grovesteen, M. W.	Indicators	
329,830 339,094	Grovesteen, M. W.	Alarms	Nov. 3, 1885 Mar. 30, 1886
323,319	Grubbe, H. H	Lights, filaments and carbons	
334,858	Gnernsey, D. W.	Lights, systems and appliances	Jan. 26, 1886
338,263	Guthrie, J. T	Telephones, electric	
341,000 338,733	Guthrie, J. T	Telephones, magnetie	May 4, 1886 Mar. 30, 1886
342,086	Hænichen, F. and O.		May 18, 1886
321,493	Haid, A.	Lights, systems and appliances	July 7, 1885
339,096	Haight, G. E. and Wood, W. H.	Steering and propulsion	Mar. 30, 1886
336,640 339,646	Hallidie, A. S.	Telephones, mechanicalConductors	Feb. 23, 1886 Apr. 13, 1886
329,162	Hamilton, E. M	Connectors	Oct. 27, 1885
326,033	Hammer, E. G	Batteries, galvanic	Sept. 8, 1885
344,652	Hammerstein, G. J	Lights, systems and appliances	June 29, 1886
337,260	Hanlon, J. P. A., J. F. and G. O	Convectors	Mar. 2, 1886
333,219 340,210	Harding, A.————————————————————————————————————	Lights, systems and appliances ————————————————————————————————————	Dec. 29, 1885 Apr. 20, 1886
343,240	Harrell, J. J	Heaters	June 8, 1886
341,573	Harrington, S. H.	Car-brakes	May 11, 1886
341,907	Harris, A. C	Batteries, galvanic	May 18, 1886
327,393 338,522	Harrison, C. A.——————————————————————————————————	Telephones, details	Sept. 29, 1885 Mar. 23, 1886
339,766	Hastings, H. N	Applications, tools and machines Telephones, details	Apr. 13, 1886
321,599	Hathaway, T. H	Applications, general	July 7, 1885
326,084	Healy, C. L	Telegraphy, printing	Sept. 8, 1885
330,238	Healy, C. L	do	Nov. 10, 1885
330,239 333,298	Healy, C. L	do	Nov. 10, 1885 Dec. 29, 1885
341,654	Healy, C. L	do	May 11, 1886
341,655	Healy, C. L	do	May 11, 1886
341,656	Healy, C. L	do	May 11, 1886
326,979	Heiman, S	Lights, incandescent Lights, sockets and keys	June 8, 1886
343,313	Tremze, L	Lights, sockets and keys	5 die 0, 1000

No.	Name.	CLASS.	DATE.
327,795	Heisler, C	Cut-outs, electro-magnetic	Oct. 6, 1885
327,796	Heisler, C	Lights, systems and appliances	Oct. 6, 1885
330,586	Heisler, C.	Lights, filaments and carbons	Nov. 17, 1885
326,906	Helvin, J. A. and Van Hevenbergh, H	Connectors	Sept. 22, 1885
323,675	Henderson, J. C	Locomotion	Aug. 4, 1885
331,879	Henderson, J. W	Railway signals	Dec. 8, 1885
328,030	Henzel, G. L	Magnetic locks and bolts	
335,355	Hering, C	Magneto-electric	Feb. 2, 1886
339,772	Hering, C	do	Apr. 13, 1886
339,773	Hering, C	Annunciators	Apr. 13, 1886
341,909 324,470	Hess, A. T.——————————————————————————————————	AnnunciatorsCar-brakes	May 18, 1886
325,540	Hess, G	Lights, incandescent	Aug. 18, 1885 Sept. 1, 1885
325,743	Hettinger, M	Conductors	Sept. 8, 1885
335,223	Hexamer, C. J.	Alarms	Feb. 2, 1886
341,380	Hey, G. W. and Laass, E	Applications, tools and machines	May 4, 1886
322,375	Heysinger, I. W.	Lights, systems and appliances	July 14, 1885
325,173	Heysinger, I. W.	Locomotion	Aug. 25, 1885
329,646	Hibbard, A. S	Recorders	Nov. 3, 1885
329,310	Hicks, T. H	Induction-coils	Oct. 27, 1885
343,176	Higham, E. T. and D.	Motors	Jnne 8, 1886
324,692	Hill, G. W	Insulators	Aug. 18, 1885
336,716	Hill, S. A	Rheostats	Feb. 23, 1886
331,880	Hill, W. S	Motors.	Dec. 8, 1885
334,380	Hilton, C. H.	Bells	Jau. 12, 1886
337,583	Himmer, V		Mar. 9, 1886
344,736	Hinckley, H		June 29, 1886
339,888	Hinds, F. A	Valve-controllers	Apr. 13, 1886
342,694	Hoard, J. W. and F. R	Conductors	
332,149	Heveler, W. A	Conductors, underground	
333,462	Heveler, W. A	do	Dec. 29, 1885
332,254 343,372	Hoffman, H. H.	Alarms, burglar	Dec. 15, 1885
343,372	Hoffman, H. H	mala and a Car	June 8, 1886
335,701	Holcomb, F. A	Telegraphy, fire	Feb. 9, 1886
329,166	Holcombe, A. G.	Lights, are	Oct. 27, 1885
336,643	Holcombe, A. G	Telegraphy, fire	Feb. 23, 1886
336,809 343,373	Holcombe, A. G.	Annunciators	Feb. 23, 1886
343,374	Holcombe, A. G.——————————————————————————————————	Annunciators	June 8, 1886 June 8, 1886
337,000	Holland, J. P.	Applications, tools and machines	Mar. 2, 1886
334,020	Hollerith, H	Car-brakes	Jan. 12, 1886
334,021	Hollerith, H	do	Jau. 12, 1886
334,022	Hollerith, H		Jan. 12, 1886
330,486	Holt, A. J		Nov. 17, 1885
340,717	Holt, A. J		Apr. 27, 1886
327,878	Holtzer, C. W.	Batteries, galvanic	Oct. 6, 1885
338,747	Holtzer, C. W.	Igniting devices	Mar. 30, 1886
338,748	Holtzer, C. W.	do	Mar. 30, 1886
342,013	Holtzer, C. W.		May 18, 1886
323,150	Holzer, W	Lights, systems and appliances	July 28, 1885
325,802	Hopkins, G. M.		Sept. 8, 1885
325,083	Hopkinson, J		Aug. 25, 1885
340,441	Horack, C. L	Alarms	Apr. 20, 1886
339,417		Lightning-arresters	Apr. 6, 1886
333,014 335,522	Honlehan, J	Telephones, systems	Dec. 22, 1885
339,777	Howe I	Telephones, electric	Apr. 13, 1886
339,058		Galvanometers	Mar. 30, 1886
342,748	Howell, J. W		May 25, 1886
335,929	Hoyt, A. G		Feb. 9, 1886
329,833	Hubbell, C. J.		
338,596	Huber, J. L	Meters	Mar. 23, 1886
338,597	Huber, J. L		Mar. 23, 1886
325,086	Hugbes, L		Aug. 25, 1885
343,458		Conductors, underground	June 8, 1886
336,518	Humaus, W		Feb. 16, 1886
333,075	Humphreville, F		Dec. 22, 1885
340,046	Hnrlbut, D. N	Conductors, underground	Apr. 13, 1886
333,951	Hyde, D. W		Jan. 5, 1886
327,797	Immisch, M	Motors	Oct. 6, 1885
322,294	Iske, A	Telephones, mechanical	July 14, 1885
324,381		Telegraphy, railway-car	Aug. 18, 1885
327.690		Locomotion	Oct. 6, 1885
00= -00	Jackson, C. A		Feb. 9, 1886
335,588			
335,588 331,502 322,724	Jackson, C. T	Anti-induction devices	

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No.	Name.	Class.	DATE.
322,726	Jackson, W. A. and Chambers, J. C	Anti-induction devices	July 21, 1885
322,727	Jackson, W. A. aud Chambers, J. C	do	July 21, 1885
322,728	Jackson, W. A. and Chambers, J. C	do	July 21, 1885
338,971	Jägel, J. M.	Conductors	
343,319	Jeukin, F	Locomotion	
330,490 332,399	Jenney, C. D Jenney, C. D	Magneto-electric	
342,441	Jeuney, C. D	do	
334,023	Jenney, J. A	Lights, are	
332,905	Johnson, C. M	Indicators	
335,285	Johnson, E. H	Locomotion	
339,298	Johnson, E. H	Systems of distribution	
341,579 342,751	Johnson, E. H Johnson, E. H	Telephones, electric	
327,692	Johnson, F. G	Telephones, supports	
329,909	Johnson, F. G	Telephones, details	
331,406	Johnson, W. S	Valve-controllers	
342,018	Johnson, W. S.	do	May 18, 1886
335,934	Johnson, W. S. and Fortier, C. L	Magneto-electric, hand-machines	Feb. 9, 1886
324,774 337,334	Jones, C. E. Jones, C. S., Crooker, W. W. and Artós, F.	Applications, general	Aug. 18, 1885 Mar. 2, 1886
321,609	Jones, E	Magneto-electric	July 7, 1885
331,407	Jones, E	Batteries, secondary	Dec. 1, 1885
331,408	Jones, E	do	Dec. 1, 1885
344,318	Jones, F. W	Telegraphy, duplex	June 22, 1886
326,123 $322,295$	Jones, R. F.	Lights, are	Sept. 15, 1885 July 14, 1885
344,532	Jones, W. and Reynolds, W. W.	Lights, systems and appliances	June 29, 1886
326,223	Jönsson, O. F	Valve-controllers	Sept. 15, 1885
330,836	Jönsson, O. F	Magneto-electric	Nov. 17, 1885
338,752	Jönsson, O. F	Cut-outs, electro-magnetic	Mar. 30, 1886
341,918	Jönsson, O. F	Meters	May 18, 1886
343,242 326,989	Jönsson, O. F Jordan, C. M	Lights, arc	June 8, 1886 Sept. 29, 1885
328,491	Judson, C. N	do	Oct. 20, 1885
327,089	Julig, L	Applications, general	Sept. 29, 1885
328,687	Kauffer, T. L.	Batteries, galvanic	Oct. 20, 1885
328,948	Kauffer, T. L		Oct. 27, 1885
327,175 327,176	Keating, A. S.	Alarmsdo	Sept. 29, 1885 Sept. 29, 1885
334,871	Keating A S	Relays and sounders	Jan. 26, 1886
338,976	Keegan, V. E	Motors	Mar. 30, 1886
338,977	Keegan, V. E.	do	Mar. 30, 1886
331,975		Telegraphy, quadruplex	Dec. 8, 1885
333,131	Keenan, W. J. and Wilson, E. M	Telegraphy, fire	Dec. 29, 1885 Feb. 2, 1886
335,364 322,612	Keller, A. K. and Lyon, E. H Kells, C. E., jr		July 21, 1885
339,787	Kendall, E. D.		Apr. 13, 1886
339,558	Kenny, P	Telegraphy, automatic	Apr. 6, 1886
343,129	Ketchum, A. G	Magneto-electric	June 1, 1886
331,718	Kettell, J. F	Telegraphy, fire	Dec. 1, 1885
333,132 333,133	Kettell, J. F	do	
330,903	Kinsman, F. E	Annunciators	Nov. 24, 1885
334,390	Kinsman, J. H	Telephones, calls	Jan. 12, 1886
343,642	Kissell, A. S	Valve-controllers	June 15, 1886
337,336 335,459	Klein, P. H., jr	Lights, incandescentLights, are	Mar. 2, 1886 Feb. 2, 1886
322,296	Klostermann, F		July 14, 18\$5
338,080	Knight, W. H	Locomotion	Mar. 16, 1886
338,081	Knight, W. H	do	Mar. 16, 1886
338,082	Knight, W. H		
338,083	Knight, W. H	Motors	Mar. 16, 1886 Mar. 16, 1886
338,084 338,085	Knight W H	Motorsdo	Mar. 16, 1886
338,174	Knight, W. H	Locomotion	Mar. 16, 1886
338,175	Knight, W. H	do	Mar. 16, 1886
337,590	Kölzer, J.	Repeaters	Mar. 9, 1886
322,110	Korfhage, C	Clocks	Mar. 9 1996
337,067 $322,384$	Kornbau D	Alarms Locomotion	July 14, 1885
340,512	Krautz. P	Lights, systems and appliances	Apr. 20, 1886
322,385	Kruesi. J.	Conductors, anti-inductive	July 14, 1885
334,708	Kruesi, J. and Langton, J., ir.	Conductors, underground	Jan. 19, 1886
334,709	Kruesi, J. and Langton, J., ir	do	Jan. 19, 1886
334,785 339,431	Ladd W I	Telegraphy, fire	Apr. 6, 1886
000,701	, 1100th, 11, 000000000000000000000000000000000	1310001013010	

	No.	Name.	Class.	DATE.
343,976 Lange, P	338,983	Lamont, H*	Telephones, mechanical	Mar. 30, 1886
224.566		Lange, P		Nov. 10, 1885
Telegraphy, quadruplex		Lange, P		June 15, 1886
340,130				Aug. 18, 1885
Sasy		Larish J W		Apr. 20, 1886
Saltries Lathrop, F. L.		Lasar, G. H		Mar. 30, 1886
Sag. Sag. Lebasteur, II. and Rowart, S. H. Indicators Dec. 229,393 Leggo, W. A. Keys Oct. 27,311,606 Le Grande, W. W. Railway signals May 11 314,762 Leighton, E. F Batteries, galvanic June 1 May 12,272 Leighton, E. F Batteries, galvanic Aug. Batteries, galvani		Lathrop, F. L.		Jan. 26, 1886
325,135 Lee, J. J	336,329			Feb. 16, 1886
1929,389 Lego, W. A. Reys Oct. 27				Dec. 22, 1885
1929,399 Leggo, W. A.				Feb. 2, 1886
341,666 Le Grande, W. Railway signals June 1	329,595	Leggo, W. A		Oct. 27, 1885 Oct. 27, 1885
342,872 Leigh, E. and Towncond, T				May 11, 1886
322,619 Leiptor, W. A. and Brotherhood, C. Indicators Sulvay 21 229,460 Lemp, H. Cut-outs, mechanical Nov. 3 341,920 Lenp, H. Cut-outs, mechanical Nov. 3 341,920 Lenp, H. Lenp, H. Lights, arc. Nov. 3 341,920 Lenerts, L. and I. Olivier, H. Alarms May 18 Sulvay 19 Sulvay 19		Leigh, E. and Townend, T		June 1. 1886
1922,619 Leipner, W. A. and Brotherhood, C. Indicators. July 21 S29,400 Lemp, H Cut-outs, mechanical Nov. 3 329,401 Lemp, H Lights, arc Nov. 3 329,405 Leonard, S. Cut-outs, mechanical Oct. 20 Cut-o		Leighton, E. F		Aug. 18, 1885
September Sept		Leipuer, W. A. and Brotherhood, C		July 21, 1885
September Sept		Lemp, H		Nov. 3, 1885
282,905 Leonard, S. S. Cut-outs, mechanical Oct. 29				Nov. 3, 1885
Sept. 15				May 18, 1886
Sept. 29	328,990			Oct. 20, 1885
333,686 Levison, W. G	397 989	- '		Sept. 29, 1885
342,523	335,368			Feb. 2, 1886
				May 25, 1886
340,448	330,247			Nov. 10, 1885
Sastrong Sastrong	340,448		Cut-outs, electro-magnetic	Apr. 20, 1886
S31,399				Apr. 20, 1886
323,435				Feb. 9, 1886
Mar. 1				
S24,778				Mar. 16, 1886
Say Say				Aug. 18, 1885
S37,775 Loomis, O. P. and Cooley, H. W	332,721			Dec. 22, 1885
337,777	337,775			Mar. 9, 1886
S28,592		Loomis, O. P. and Cooley, II. W		Mar. 9, 1886
S24,711				Mar. 9, 1886
322,835 Low, A. H				Oct. 20, 1885
324,858 Low, J. B				Aug. 18, 1885
Batteries, galvanic				Oct. 6, 1885
337,272				Aug. 25, 1885
338,178		Ludwig, J. C		Mar. 2, 1886
Batteries, galvanic Aug. 18				Mar. 16, 1886
339,908 Macdonald, D. B. and Woodman, H. W Lights, are				May 4, 1886
325,257 Mackay, P. N				Aug. 18, 1885
337,005 Mackie, R				Apr. 13, 1886
337,004 Mackie, R. and McCarty, N Systems of distribution Mar. 2				
340,134 Macready, R. A Keys Apr. 20		Mackie, R. and McCarty, N	Systems of distribution	Mar. 2, 1886
324,713 Main, O. F	340,134	Macready, R. A	Keys	Apr. 20, 1886
327,889 Main, W		Main, O. F	Medical and surgical, body-wear	Aug. 18, 1885
328,418	327,888	Main, W	Lights, systems and appliances	Oct. 6, 1885
328,593 Main, W				
332,668 Main, W Lights, incandescent Feb. 23, 326,729 Main, W Lights, incandescent Feb. 23, 323,514 Majert, W Electrolysis Aug. 4, 343,042 Mallett, E. J Telegraphy, printing June 1, 343,043 Mallett, E. J Telegraphy, automatic June 1, 343,044 Mallett, E. J Telegraphy, automatic June 1, 338,994 Maloney, J. A Telephones, mechanical Mar. 30, 338,995 Maloney, J. A Telephones, mechanical Mar. 30, 339,909 Maloney, J. A Keys Apr. 13, 343,468 Malouey, J. A Relays and sounders June 8, 343,469 Maloney, J. A Relays and sounders June 8, 343,469 Maloney, J. A Relays and sounders June 8, 343,469 Maloney, J. A Go Feb. 23, 326,760 Marchesc, E Separators Sept. 22, 335,372 Marcus, M. D. and Epsteyn, N. H Telegraphy, fire, alarms and extinguishers Feb. 2, 341,259 Marshall, W Telephones, electric May 4, 299,347 Marstin, M Thermostats Nov. 3, 300, 32, 329,470 Martin, M Thermostats Nov. 3, 300, 300, 300, 300, 300, 300, 300,		Main W	Batteries, secondary, applications	Oct. 15, 1885
Sab, 729 Main, W		Main W	Motors	Dec 15 1885
S23,514 Majert, W		Main, W	Lights, incandescent	Feb. 23, 1886
343,043 Mallett, E. J		Majert, W	Electrolysis	Aug. 4, 1885
343,043 Mallett, E. J		Mallett, E. J	Telegraphy, printing	June 1, 1886
338,994 Maloney, J. A Telephones, mechanical Mar. 30, 339,909 339,909 Maloney, J. A Keys Apr. 13, 30, 343,468 343,468 Maloney, J. A Relays and sounders June 8, 343,469 343,469 Maloney, J. A Keys June 8, 326,653 340,653 Maloney, J. A. and Johnson, A. G Go Feb. 23, 22, 235,372 Marchesc, E Separators Sept. 22, 22, 335,372 Marshall, W Telegraphy, fire, alarms and extinguishers Feb. 2, 22, 241,259 341,259 Marston, Du P. F do Oct. 27, 329,470 Martin, M Thermostats Nov. 3, 329,470		Mallett, E. J	Telegraphy, automatic	June 1, 1886
338,995 Maloney, J. A		Mallett, E. J	do	June 1, 1886
339,909 Maloney, J. A Keys Apr. 13, 343,468 Malouey, J. A Relays and sounders June 8, 343,469 Maloney, J. A Kcys June 8, 336,653 Maloney, J. A. and Johnson, A. G do Feb. 23, 326,760 Marchesc, E Separators Sept. 22, 335,372 Marcus, M. D. and Epsteyn, N. H Telegraphy, fire, alarms and extinguishers Feb. 2, 341,259 Marshall, W Telephones, electric May 4, 329,327 Marston, Du P. F do Oct. 27, 329,470 Martin, M Thermostats Nov. 3,				
343,468 Malouey, J. A Relays and sounders June 8, 343,469 343,469 Maloney, J. A Keys June 8, 326,653 336,653 Maloney, J. A. and Johnson, A. G do Feb. 23, 22, 235,372 Marcus, M. D. and Epsteyn, N. H Telegraphy, fire, alarms and extinguishers Feb. 2, 22, 235,372 Marshall, W Telephones, electric May 4, 229,327 Marston, Du P. F do Oct. 27, 329,470 Martin, M Thermostats Nov. 3, 3, 3, 3, 3, 3, 3, 3, 3, 3, 3, 3, 3,				
343,469 Maloney, J. A Keys June 8, 336,653 Maloney, J. A. and Johnson, A. G do Feb. 23, 326,760 Marchesc, E Separators Sept. 22, 335,372 Marcus, M. D. and Epsteyn, N. H Telegraphy, fire, alarms and extinguishers Feb. 2, 341,259 Marshall, W Telephoes, electric May 4, 329,327 Marston, Du P. F do Oct. 27, 329,470 Martin, M Thermostats Nov. 3,				
336,653 Maloney, J. A. and Johnson, A. G		Maloney, J. A	Keys	June 8, 1886
335,372 Marcus, M. D. and Epsteyn, N. H. Telegraphy, fire, alarms and extinguishers Feb. 2, 341,259 Marshall, W Telephones, electric May 4, 229,327 Marston, Du P. F do Oct. 27, 329,470 Martin, M Thermostats Nov. 3, 3, 27, 28, 29,470 Martin, M Thermostats Nov. 3, 3, 29,470 Marcus,		Maloney, J. A. and Johnson, A. G	do	Feb. 23, 1886
341,259 Marshall, W Telephones, electric. May 4, 329,327 Marston, Du P. F do Oct. 27, 329,470 Martin, M Thermostats Nov. 3,				
329,327 Marston, Du P. FdoOct. 27, 329,470 Martin, M ThermostatsNov. 3,	335,372			
329,470 Martin, M		Marston Du P F	Telephones, electric	May 4, 1886
		Martin, M	do	May 18 1886
329,468 Martin, M. and Wilson, J. C Telegraphy, fire		Martin, M. and Wilson, J. C.	Telegraphy, fire	Nov. 3, 1885
339,672 Mason, G. A		Mason, G. A.	Magneto-electric, hand-machines	Apr. 13, 1886
334,450 Mason, H. R	334,450			

No.	Name.	CLASS.	DATE.
334,960	Mason, W. B., Wescott, E. J. and Stevens, W. L.	Indicators	Jan. 26, 1886
323,182	Mather, A. C	Telephones, switch-boards	July 28, 1885
321,990	Mather, R. H.	Magneto-electric	
321,991 323,516	Mather, R. H	Lights, are	Aug. 4, 1885
324,862	Mather, R. H	Regulators	Aug. 25, 1885
326,575	Mather, R. H.	doi	Sept. 22, 1885
334,712	Mather, R. H.	Magneto-electric	Jan. 19, 1886
337,778 326,132	Mather, R. H	Regulators	Mar. 9, 1886
326,880	Maver, W., jr	Telegraphy, circuits and systems	Sept. 15, 1885 Sept. 22, 1885
338,996	Mayer, W., jr	Telegraphy, quadruplex	Mar. 30, 1886
339,449	Maver, W., jr	Repeaters	Apr. 6, 1886
340,136	Maver, W., jr	Telegraphy, quadruplex	Apr. 20, 1886
340,137 334,879	Mayer, J	Medical and surgical, body-wear	Apr. 20, 1886 Jan. 26, 1886
344,121	Mayers, W. S.	Indicators	June 22, 1886
338,352	Mayo, G. A.	Lights, are	Mar. 23, 1886
324,476	May rhofer, C. A	Railway signals	Aug. 18, 1885
331,148 330,036	McCahey, J	Conductors	Nov. 24, 1885
330,037	McCambridge, P. C. F	Keys	Nov. 10, 1885 Nov. 10, 1885
321,992	McCarthy, L. A.	Telegraphy, duplex	July 14, 1885
325,423	McCarty, N	Lights, are	Sept. 1, 1885
325,424	McCarty, N	Numeric electric	
337,010 344,188	McCarty, N	Magneto-electric Lights, arc	
328,500	McCausland, W. J	Telegraphy, printing	
339,312	McCausland, W. J	do	Apr. 6, 1886
329,186	McCullough, L. H.	Telegraphy, fire	Oct. 27, 1885
329,187 329,188	McCullough, L. H	do	
329,189	McCullough, L. H	do	
331,986	McCullough, L. H	Circuit-closers	
341,593	McGinnis, W. T		
323,055	McGrory, T		
335,604 328,420	McLaughlin, J. C		
328,702	McLaughlin, J. F	Telephones, switches	Oct. 20, 1885
328,703	McLaughlin, J. F	Telephones, electric	Oct. 20, 1885
330,605 332,926	McLaughlin, J. F		
332,927	McLaughlin, J. F	do	Dec. 22, 1885
332,928	McLaughlin, J. F	do	
332,929	McLaughlin, J. F	do	Dec. 22, 1885
335,294 $341,263$	McLaughlin, J. F		
341,264	McLaughlin, J. F		
343,334	McLaughlin, J. F	Telephones, magnetic	
328,502	McLeod, C. G		Oct. 20, 1885
327,458 335,605	McMackin, P		
322,739	McNeal, A. C		
338,542	McTighe, J. J	Lights, filaments and carbons	Mar. 23, 1886
325,952	Mead, C. K	Telephones, systems	Sept. 8, 1885
334,027 336,337	Meeker, F. W		Jan. 12, 1886 Feb. 16, 1886
329,929	Metzger, A.		Nov. 10, 1885
330,139	Meyer, C. W	Lights, systems and appliances	Nov. 10, 1885
336,731	Middleton, R. O	Telephones, mechanical	Feb. 23, 1886
337,416 337,417	Millard, G. W. and Clarke, J. H.	Clocks	
337,417	Millard, G. W. and Clarke, J. H Millard, G. W. and Clarke, J. H		
337,419	Millard, G. W. and Clarke, J. H	do	
337,972	Miller, J	Telephones, details	Mar. 16, 1886
340,890	Miller, J. A		
343,719 334,969	Milliken G F		June 15, 1886
331,250	Milliken, G. F		Nov. 24, 1885
323,822	Mingle, G. W	Lightning-arresters	Aug. 4, 1885
323,059	Moffatt, R. R.	Regulators	July 28, 1885
333,657	Moffatt, R. R	Lights, incandescent	Jan. 5, 1886
330,724 $328,243$	Montgomery, S		Oct. 13, 1885
340,724	Morison, G. A	Telegraphy, fire, alarms and extinguishers	Apr. 27, 1886
343,053	Morse, P. C.		June 1, 1886

1927/44 Moses, O. A				
324,035 Moses O. A	No.	Name.	Class.	DATE.
324,035 Moses O. A	322.744	Moses O. A	Lights, sockets and keys	July 21, 1885
Sept. Sept		Moses, O. A	Lights, incandescent	Aug. 11, 1885
335,85 Moses, O. A.		Moses, O. A		~ _'
133,183 Moses, O. A				
Sag. 19				Feb. 9, 1886 June 8, 1886
383,132 Mott, S. D.				Dec. 22, 1885
336,133 Mot, S. D.		Mott, S. D.	do	Feb. 16, 1886
337,513 Moxham, A. J. Conductors Mars		Mott, S. D	do	Feb. 16, 1886
September Sept	337,513	Moxham, A. J	Conductors	Mar. 9, 1886
				Sept. 1, 1885
331,726 Miller, H Magneto-electric Dec.				Sept. 29, 1885
344,324 Munsie, J. F.		Müller U		
343,323 Minson, J. J.			Lightning-rods	Dec. 15, 1885
329,600 Minson, J. E.		Minson, A. J	do	June 8, 1886
Sag_419 Murson, J. E.		Minson, J. E		
237,962 Murray, W.A.		Munson, J. E	Telegraphy, automatic	Nov. 10, 1885
327,576 Myers, F. I.				
Significant				
327,578 Nelson, J				
331,081 Neumeyer, H. F. Applications, general Nov Nicholson, H. C. Telegraphy, quadruplex Dec. 332,550 Nicholson, H. C. do. Dec. do. Dec. 332,550 Nicholson, H. C. do. Dec. do. Dec. 332,551 Nicholson, H. C. do. Dec. do. do. Dec. do. do. Dec. do. do. Dec. do. do				
329,478 Nicholson, H. C. Rialtway signals Nov Stephys Nicholson H. C. Telegraphy, quadruplex Dec. 322,550 Nicholson, H. C. do Dec. Dec.				
Siz_550	329,478	Nicholson, H. C	Railway signals	Nov. 3, 1885
S29,575 Nicholson, R. C.	332,549	Nicholson, H. C.	Telegraphy, quadruplex	
329,670 Nicholson, S. and Bowen, H. A		Nicholson, II. C	do	Dec. 15, 1885
322,745	200.670			
Batteries, galvanic	322.745			
333,661 Odell, J. B				
228,055 Oram, J. M				
321,446 Orne, C. P.				
233,361 Orton, B. F.				
233,862			Batteries, galvanic	July 7, 1885
323,363 Orton, B. F.			Magneto-clectric	July 28, 1889
331,515	323,363		do	July 28, 1885
Sal Sal				
Magneto-electric Dec. 331,816 Orton, B. F. Regulators Dec. 331,817 Orton, B. F. Lights, systems and appliances Dec. 331,818 Orton, B. F. Lights, systems and appliances Dec. 324,410 Otto, G. Connectors Aug. Magneto-electric Dec. Dec		Orton, B. F	Regulators	
Sal, Sl7			Magneto-electric	Dec. 8, 1885
331,818 Orton, B. F. Magneto-electric Dec. 224,410 Otto, G Connectors Aug. Aug. 338,770 Otto, G Batteries, galvanic Mar. 343,487 Paine, H. M Motors July 321,844 Paine, W. J do July 321,845 Paine, W. J do July 321,846 Paine, W. J do July 321,748 Paine, W. J do July 321,748 Paine, W. J do July 321,748 Paine, W. J do July 321,749 Paine, W. J and S. B do July 321,749 Paine, W. J and S. B do July 324,152 Parcelle, A. L Telegraphy, multiplex Aug. 324,152 Parcelle, A. L Telegraphy, multiplex Aug. 324,452 Parkes, S. H Electro-magnets Nov. 322,474 Parrish, M. W. and M. F Telegraphy, railway-car July 344,542 Parsons, C. A Magneto-electric June 328,607 Partz, A. F. W Batteries, galvanic Oct. 333,779 Patterson, W. C Meters Jan. 324,412 Patterson, W. C Meters Jan. 324,412 Patterson, W. R Conductors, underground Nov. 330,049 Patterson, W. R Conductors, underground Nov. N				
S24,410				
Batteries, galvanie Mar. 343,487 Paine, H. M Motors June 321,843 Paine, W. J Lights, systems and appliances July 321,844 Paine, W. J do July 321,846 Paine, W. J do July 321,749 Paine, W. J do July 321,749 Paine, W. J do July 324,152 Parcelle, A. L Telegraphy, multiplex Aug 324,153 Parcelle, A. L Telegraphy, multiplex Aug 332,427 Parham, C Magneto-electric Dec. 229,768 Parkes, S. H Electro-magnets Nov. 322,474 Parrish, M. W. and M. F Telegraphy, railway-car July 344,542 Parterson, W. C Magneto-electric June 324,415 Patterson, W. C Magneto-electric June 324,415 Patterson, W. R Conductors Aug. 330,048 Patterson, W. R Conductors Aug. 330,049 Patterson, W. R Conductors Aug. 330,049 Patterson, W. R Conductors Aug. 330,049 Patterson, W. R Conductors Aug. Aug. 330,049 Patterson, W. R Conductors Aug. Aug. Aug. 330,049 Patterson, W. R Conductors Aug.				
343,487				Aug. 18, 1885 Mar. 30, 1886
S21,843			Motors	June 8, 1886
S21,844				July 7, 1885
321,846		/	do	July 7, 1885
S21,748		Paine, W. J	do	July 7, 1885
321,749				
324,152 Parcelle, A. L Telegraphy, multiplex Aug. 324,153 Parcelle, A. L do Aug. 32,427 Parham, C Magneto-electric Dec. 329,768 Parkes, S. H Electro-magnets Nov. 322,474 Parrish, M. W. and M. F Telegraphy, railway-car July 344,542 Parsons, C. A Magneto-electric June 328,607 Partz, A. F. W Batteries, galvanic Oct. 333,779 Patterson, W. C Meters Jan. 324,412 Patterson, W. R Conductors Aug. 324,413 Patterson, W. R do Nov. 330,048 Patterson, W. R do Nov. 330,049 Patterson, W. R do Nov. 340,815 Payne, M. and Benson, D Medical and surgical, body-wear Apr. 322,317 Peace, W. M Railway-signals Dec. 322,317 Pendleton, J. H Locomotion May 343,392 Pendleton, J. M Applications		Paine W. J. and S. B	do	July 7, 1885
S24,153 Parcelle, A. L			Telegraphy, multiplex	Aug. 11, 1885
Saz, 427				
Section	332,427	Parham, C	Magneto-electric	Dec. 15, 1885
344,542 Parsons, C. A Magneto-electric June 328,607 Partz, A. F. W Batteries, galvanic Oct. 333,779 Patterson, W. C Meters Jan. 324,412 Patterson, W. R Conductors Aug. 324,413 Patterson, W. R do Nov. 330,048 Patterson, W. R do Nov. 330,049 Patterson, W. R Conductors, underground Nov. 340,815 Payne, M. and Benson, D Medical and surgical, body-wear Apr. 322,317 Pease, W. M Railway-signals Dec. 322,317 Peirce, W. E Magnetic locks and bolts July 342,459 Pendleton, J. H Locomotion May 323,199 Pendleton, J. M do June 343,392 Pendleton, J. M Applications June 343,393 Pendleton, J. M do June 343,394 Pendleton, J. M do June		Parkes, S. II	Electro-magnets	Nov. 3, 1885
Batteries, galvanic Oct. Oct. Meters Jan. Zan. Zan.			Telegraphy, railway-car	July 21, 1885
333,779			Magneto-electric	June 29, 1886
324,412 Patterson, W. R. Conductors Aug. 324,413 Patterson, W. R. do Aug. 330,048 Patterson, W. R. do Nov. 330,049 Pattersen, W. R. Conductors, underground Nov. 340,815 Payne, M. and Benson, D. Medical and surgical, body-wear Apr. 322,431 Pease, W. M. Railway-signals Dec. 322,317 Peirce, W. E. Magnetic locks and bolts July 342,459 Pendleton, J. H. Locomotion May 223,199 Pendleton, J. M. do July 343,392 Pendleton, J. M. Applications June 343,393 Pendleton, J. M. do June 343,394 Pendleton, J. M. do June				
324,413 Patterson, W. R. do Aug. 330,048 Patterson, W. R. do Nov. 330,049 Pattersen, W. R. do Nov. 340,815 Payne, M. and Benson, D. Medical and surgical, body-wear Apr. 322,317 Pease, W. M. Railway-signals Dec. 322,317 Peirce, W. E. Magnetic locks and bolts July 342,459 Pendleton, J. H. Locomotion May 323,199 Pendleton, J. M. do July 343,392 Pendleton, J. M. Applications June 343,393 Pendleton, J. M. do June 343,394 Pendleton, J. M. do June				
Sag. 048			do	Aug. 18, 1885
330,049 Pattersen, W. R. Conductors, underground Nov. 340,815 Payne, M. and Benson, D. Medical and surgical, body-wear Apr. 322,431 Pease, W. M. Railway-signals Dec. 322,317 Peirce, W. E. Magnetic locks and bolts July 342,459 Pendleton, J. H. Locomotion May 323,199 Pendleton, J. M. Applications June 343,392 Pendleton, J. M. Applications June 343,394 Pendleton, J. M. do June 343,394 Pendleton, J. M. do June	330,048	Patterson, W. R.	do	Nov. 10, 1885
332,431 Pease, W. M. Railway-signals Dec. 322,317 Peirce, W. E. Magnetic locks and bolts July 342,459 Pendleton, J. H. Locomotion May 233,199 Pendleton, J. M. do. July 343,392 Pendleton, J. M. Applications June 343,394 Pendleton, J. M. do. June 343,394 Pendleton, J. M. do. June 345,394 Pendleton, J. M. do. June			Conductors, underground	Nov. 10, 1885
322,317 Peirce, W. E Magnetic locks and bolts July 342,459 Pendleton, J. H Locomotion May 23,199 Pendleton, J. M do July 343,392 Pendleton, J. M Applications June 343,393 Pendleton, J. M do June 343,394 Pendleton, J. M do June				Apr. 27, 1886
342,459 Pendleton, J. H Locomotion May 323,199 Pendleton, J. M do July 343,392 Pendleton, J. M Applications June 343,393 Pendleton, J. M do June 343,394 Pendleton, J. M do June				Dec. 15, 1885
323,199 Pendleton, J. M.			Locomotion	May 95 1886
343,392 Pendleton, J. M. Applications June 343,393 Pendleton, J. M. do June 343,394 Pendleton, J. M. do June	323.199			
343,393 Pendleton, J. M -				
	343,393	Pendleton, J. M.	do	June 8, 1886
338,292 Pennell, L. W	338,292			
338,293 Pennell, L. W	328 719			

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No.	Name.	Class.	DATE.
336,584	Perkins, C. G	Lights, incandescent	Sept. 22, 1885
331,002	Perkins, C. G	do	Nov. 24, 1885
322,122	Perrin, T. J	Telephones, switches	July 14, 1885
324,726 324,727	Perrin, T. J	Telephones, electric	Aug. 18, 1885
324,728	Perrin, T. J	do	Aug. 18, 1885 Aug. 18, 1885
324,729	Perrin, T. J	do	Aug. 18, 1885
329,772	Perrin, T. J	Induction-coils	Nov. 3, 1885
326,237	Perry, J. and Ayrton, W. E		Sept. 15, 1885
333,635 332,286	Pevey, A.————————————————————————————————————	Railway signals	
343,602	Pfannkuche, G. and A	Induction-coils	June 15, 1886
343,603	Pfannkuche, G. and A	Systems of distribution	June 15, 1886
329,076	Phelps, L. J	Telegraphy, railway-car	Oct. 27, 1885
329,077 334,185	Phelps, L. J	Relays and sounders	Oct. 27, 1885
334,186	Phelps, L. J	Telegraphy, railway-car	
334,187	Phelps, L. J	do	
334,188	Phelps, L. J	do	
334,189	Phelps, L. J	Tights in and a second	
321,933 330,149	Pieper, H	Lights, incandescent Electrolysis	
328,859	Piper, C. E	Magneto-electric	Oct. 20, 1885
341,600	Pitkin, J.	Batteries, secondary	. May 11, 1886
344,750	Platt, W. S	Batteries, galvanic	
327,897 327,898	Pond, C. H	Cloeksdo	
331,650	Pond, C. H	Annunciators	
338,773	Pond, C. H	Clocks	
339,688	Pond, C. H	do	
329,410	Pope, F. L	Telegraphy, dynamo	
329,411 329,412	Pope, F. L	Telegraphy, circuits and systems	
333,970	Pope, F. L	Locomotion	
334,608	Pope, F. L	do	
339,073	Pope, F. L	do	
340,520 324,590	Potts, A.————————————————————————————————————	Magneto-electric	
323,203	Pratt, R. J	Galvanometers	
327,964	Prescott, G. B., jr	Batteries, secondary, applications	
324,591	Price, C. W. and Barrett, A	Telephones, systems	
331,257 325,011	Price, C. W. and Barrett, A	AnnunciatorsRecorders	
323,885	Puffer, E. R.	do	
324,957	Putnam, J. D	Insulators	
335,091	Putnam, T. A. B	Conductors, underground	Jan. 26, 1886
329,948	Pyle, G. C.	Lights, are	Nov. 10, 1885
331,327 325,113	Pyle, G. C.——————————————————————————————————	Clocks	
325,630	Rae, F. B	Conductors, anti-inductive	
330,923	Ramel, A. and Dean, W. W.	Clocks	Nov. 24, 1885
336,744	Randall, C. A.		Feb. 23, 1886
332,832 338,549	Raworth, J. S.		
338,550	Raworth, J. S.	Regulators	Mar. 23, 1886
338,439	Ray, W. F	Telegraphy, railway-car	Mar. 23, 1886
337,198	Rebbeck, H. H.	Telegraphy, fire	Mar. 2, 1886
344,679 333,336	Recordon, E. F		June 29, 1886 Dec. 29, 1885
323,205	Reinmann, A. L.	Lights, incandescent	July 28, 1885
338,552	Reinmann, A. L.	Lights, systems and appliances	Mar. 23, 1886
338,551	Reinmann, A. L. and C. F	do	Mar. 23, 1886
339,930	Reinmann, A. L. and Ott, C. G	Pattorics assendants	Apr. 13, 1886
342,385 328,253	Remington, W. H		May 25, 1886 Oct. 13, 1885
	Ries, E. E.	Railway signals	Jan. 12, 1886
338,556	Ries, E. E.	Locomotion	Mar. 23, 1886
336,018	Rigney, W. J. and Wolff, J.	Conductors	Feb. 9, 1886
337,199 335,482	Robbins, A. C-	Lights, systems and appliances	Mar. 2, 1886 Feb. 2, 1886
336,947	Robbins, A. L	Telegraphy, printingFriction generators	Mar. 2, 1886
	Robertson, J. H	Telephones, magnetic	Oct. 27, 1885
		do	Oct. 27, 1885
329,084	Robertson, J. H	do	
329,084 329,085	Robertson, J. H.	do	Oct. 27, 1885
329,084 329,085 332,559 340,618	Robertson, J. H. Robinson, J. A. Rogers, C. D.	Induction-coils Telegraphy, fire Telephones, magnetic	Oct. 27, 1885 Dec. 15, 1885 Apr. 27, 1886

No.	NAME.	Class.	DATE.
340,460	Rogers, L. H	Electrolysis	Apr. 20, 1886
323,964	Rogers, W. B	Conductors, underground	Aug. 11, 1885
341,694	Rollins, E. K	Alarms	May 11, 1886
330,351 325,569	Romanze, O	Lights, are	Nov. 10, 1885 Sept. 1, 1885
336,352	Roovers, A. H. and A. W. and Williams, P. G.	Batteries, galvanic	Feb. 16, 1886
329,956	Rosebrugh, A. M. and T. R	Telegraphy, duplex	Nov. 10, 1885
341,110	Ross, J. S	Clocks	May 4, 1886-
341,111	Ross, J. S	do	May 4, 1886
322,973	Rousseau, D	Telegraphy, fire	July 28, 1885
328,976 328,977	Rousseau, D	Igniting devices	Oct. 27, 1885
325,363	Royle, V. and J., jr	Conductors	Oct. 27, 1885 Sept. 1, 1885
342,709	Ruenzi, J. W	Alarms	May 25, 1886
322,310	Ruset, C. F	Magneto-electric	July 14, 1885
337,872	Russell, S	Applications, tools and machines	Mar. 16, 1886
337,873	Russell, S	do	Mar. 16, 1886
323,600	Ryman, W. P.	Alarms	Aug. 4, 1885
326,337	Sanders, L. M	Valve-controllers	
337,439 326,158	Sanford, S. J.——————————————————————————————————	AnnunciatorsTelephones, calls	
324,171	Sawyer, W. H	Connectors	
331,826	Scales, E. A	Recorders	
322,857	Schæfer, F	Lights, sockets and keys	July 21, 1885
339,217	Schæfer, F	do	Apr. 6, 1886
339,218	Schæfer, F	do	
339,017	Schæffer, G	Separators	
337,624 329,681	Schillinger, J. J	Conductors, underground Regulators	
331,552	Schlesinger, W. M.	do	
332,009	Schlesinger, W. M		Dec. 8, 1885
339,018	Schlesinger, W. M.		
341,058	Schlesinger, W. M.	do	May 4, 1886
341,059	Schlesinger, W. M.		
321,646	Schoonmaker, E. T		
321,858 330,052	Scott, G. B Scribner, C. E	Telegraphy, printing Lights, are	
330,053	Scribner, C. E	Regulators	
330,054	Scribner, C. E	Lightning-arresters	
330,055	Scribner, C. E	Lights, arc	
330,056	Scribner, C. E	Telephones, systems	
330,057	Scribner, C. E	do	
330,058	Scribner, C. E		
330,059 330,060		do	
330,061	Scribner C E	do	Nov. 10, 1885
330,062	Scribner, C. E	do	Nov. 10, 1885
330,063	Scribner, C. E	do	Nov. 10, 1885
330,064	Scribner, C. E	Telephones, switches	
330,065	Scribner, C. E	Telephones, systems	Nov. 10, 1885
330,066		do	
333,167 340,734		Insulators	
329,222		Magnetic locks and bolts	
329,223	Sedgwick, F	do	Oct. 27, 1885
330,067	Seely, J. A	Telephones, systems	Nov. 10, 1885
332,012	Seely, J. A	do	Dec. 8, 1885.
326,458	Seligman, H		
342,468 337,626	Sellpar I	Telegraphy, circuits and systems	May 25, 1886
321,759		Batteries, secondary	
324,597		do	
325,120	Sellon, J. S	do	Aug. 25, 1885.
334,618	Serrell, E. W., jr	Applications, tools and machines	Jan. 19, 1886
334,619	Serrell, E. W., jr	do	Jan. 19, 1886
334,620		do	
334,621 338,194		Batteries, galvanic	
339,485	Shaffer, W. C.	Telegraphy, fire, alarms and extinguishers	Apr. 6 1886
333,554		Applications, general	
337,628	Shalenberger, O. B	Regulators	Mar. 9, 1886
	Shaver, G. F	Telephones, mechanical	May 25, 1886
342,395	Sham D D	do	Oct 13 1885
328,258	Sliaw, r. n		Oct. 10, 1000
328,258 325,702	Sheehy, R. J	Telegraphy, printing	Sept. 8, 1885
328,258	Sheehy, R. J Sheehy, R. J	Telegraphy, printingdo	Sept. 8, 1885 Jan. 12, 1886

No.	Name.	CLASS.	DATE.
335,637	Sherwood, A. T	Medical and surgical, body-wear	Feb. 9, 1886
335,638	Sherwood, A. T	do	Feb. 9, 1886
335,639 343,076	Sherwood, A. T	Locomotion	
339,942	Short, S. H. and Nesmith, J. W	Locollotion	Apr. 13, 1886
321,934	Siemens, E. W.	do	July 7, 1885
322,859	Siemens, E. W	do	July 21, 1885
324,176 340,462	Siemens, E. W	do	Aug. 11, 1885 Apr. 20, 1886
331,830	Silliman, E. B	Electro-magnets	
335,970	Skinner, C. E	Applications, general	Feb. 9, 1886
330,433 344,417	Slattery, M. M. M. Slattery, M. M. M.	Magneto-electric	
326,796	Smit, W. B. and Pot, A	Lights, sockets and keys	
325,124	Smith, A. T	Circuit-closers	Aug. 25, 1885
332,453	Smith, C	Lights, systems and appliances	
328,148 332,845	Smith, C. A	Telephones, calls	Oct. 13, 1885 Dec. 22, 1885
343,738	Smith, J. E	Telegraphy, fire	June 15, 1886
343,083	Smith, J. J. C	Conductors	June 1, 1886
343,081 343,082	Smith, J. J. C. and M.————————————————————————————————————	do	
328,728	Smith, L. O	Insulators	
343,084	Smith, M	Conductors	June 1, 1886
343,863 325,984	Smith, W. C.	Bells	
323,984 322,018	Smith, W. D'B. and Millikin, F. J	Conductors, underground	
339,706	Smith, W. T	Applications, general	Apr. 13, 1886
338,197	Snowberger, J.	Magneto-electric	
328,618 322,493	Sonne, C. C.	Telephones, systemsConductors	
341,860	Sorley, C	Batteries, secondary	May 11, 1886
327,459	Spalding, H. C	Conductors, anti-inductive	Sept. 29, 1885
327,460 327,461	Spalding, H. C.——————————————————————————————————	Conductors, anti-inductive	Sept. 29, 1885 Sept. 29, 1885
327,462	Spalding, H. C	Conductors	Sept. 29, 1885
327,463	Spalding, H. C	Conductors, underground	Sept. 29, 1885
327,464 327,465	Spalding, H. C.——————————————————————————————————	Conductors, anti-inductive	Sept. 29, 1885 Sept. 29, 1885
327,466	Spalding, H. C	Conductors, anti-inductive	Sept. 29, 1885
327,467	Spalding, H. C	Conductors	Sept. 29, 1885
327,468 327,469	Spalding, H. C.——————————————————————————————————	Conductors, underground Electro-magnets	Sept. 29, 1885 Sept. 29, 1885
327.470	Spalding, H. C	Electro-magnets, machines for winding	Sept. 29, 1885
327,471	Spalding, H. C	Conductors	Sept. 29, 1885
327,472 $327,473$	Spalding, H. C. Spalding, H. C	Conductors, anti-inductive	Sept. 29, 1885 Sept. 29, 1885
327,474	Spalding, H. C.	Conductors, underground	Sept. 29, 1885
327,475	Spalding, H. C	do	Sept. 29, 1885
327,476	Spalding, H. C.	Conductors, anti-inductive	
327,477 327,478	Spalding, H. C.	Conductors, underground	Sept. 29, 1885 Sept. 29, 1885
327,479	Spalding, H. C	Connectors	Sept. 29, 1885
327,480	Spalding, H. C.	Conductors, underground	Sept. 29, 1885
327,481 $327,482$	Spalding, H. C.	Conductors, auti-inductive	Sept. 29, 1885 Sept. 29, 1885
327,483	Spalding, H. C.	Conductors, underground	Sept. 29, 1885
327,484	Spalding, H. C	Conductors, anti-inductive	Sept. 29, 1885
327,485 327,486		do	
327,487	Spalding, H. C.	do	Sept. 29, 1885
327,488	Spalding, H. C.	do	Sept. 29, 1885
327,489 327,490	Spalding H C	do	Sept. 29, 1885 Sept. 29, 1885
327,490	Spalding, H. C.	Conductors	Sept. 29, 1885
327,492	Spalding, H. C.	Conductors, anti-inductive	Sept. 29, 1885
327,493 327,494	Spalding H. C.	ConductorsConductors, anti-inductive	Sept. 29, 1885 Sept. 29, 1885
327,494 $327,495$	Spalding, H. C	do	Sept. 29, 1885
327,496	Spalding, H. C.	do	Sept. 29, 1885
327,497	Spalding, H. C.	Cut outs electro-magnetic	Sept. 29, 1885 Sept. 29, 1885
327,498 $327,499$	Spalding, H. C.	Cut-outs, electro-magnetic	Sept. 29, 1885
327,500	Spalding, H. C.	do	Sept. 29, 1885
339,341	Spalding, H. C.		Apr. 6, 1886 July 21, 1885
322,494 $330,632$	Spellier, L. H	Clocks	Nov. 17, 1885
220,002			,

No.	Name.	CLASS.	DATE.
343,651	Sperry, E. A	Conductors	June 15, 1886
323,459	Sprague, F. J	Locomotion	Aug. 4, 1885
323,460	Sprague, F. J	Motors	Aug. 4, 1885
324,891	Sprague, F. J	do	Aug. 25, 1885
324,892 328,821	Sprague, F. J Sprague, F. J	Locomotion	Aug. 25, 1885 Oct. 20, 1885
335,045	Sprague, F. J	Systems of distribution	Jan. 26, 1886
335,781	Sprague, F. J	Motors	Feb. 9, 1886
337,793	Sprague, F. J	do	Mar. 9, 1886
337,794	Sprague, F. J	do	Mar. 9, 1886
338,313	Sprague, F. J	Locomotion	Mar. 23, 1886
338,619 340,684	Sprague, F. J Sprague, F. J		Mar. 23, 1886 Apr. 27, 1886
340,685	Sprague, F. J	do	Apr. 27, 1886
326,459	Sprague, S. H.	Lights, systems and appliances	
322,496	Stanley, W., jr	Lights, incandescent	July 21, 1885
324,894	Stanley, W., jr	Lights, sockets and keys	Aug. 25, 1885
325,576	Stanley, W., jr	Regulators	
330,269 333,028	Stanley, W., jr	Lights, sockets and keys Lights, incandescent	
333,564	Stanley, W., jr	Lights, systems and appliances	
333,563	Stanley, W., jr. and Shallenberger, O. B	Magneto-electric	
323,372	Stanley, W., jr. and Thompson, E. P	Lights, filaments and carbons	July 28, 1885
321,917	Starr, E. T	Batteries, galvanic	
323,890 327,341	Starr, E. T. and E. E	Batteries, secondary	
327,341	Starr, E. T. and E. E Staus, H. F	Circuit-closers	
338,620	Steiger, A. W.	Telephones, mechanical	
329,782	Steiner, J	Bells	
332,567	Stephen, J	Telephones, calls	Dec. 15, 1885
322,498	Stern, P. K	Lights, incandescent	July 21, 1885
333,975	Stern, W. A.	Telegraphy, fire	Jan. 5, 1886 Nov. 24, 1885
330,938 $330,271$	Stevens, W. L. and Wescott, E. J.	Relays and sounders	Nov. 10, 1885
330,635	Stewart, G. W	do	Nov. 17, 1885
344,505	Stewart, G. W	do	June 29, 1886
341,778	Stieringer, L	Lights, incandescent	May 11, 1886
343,087	Stieringer, L. and Vail, J. H	Lights, systems and appliances	June 1, 1886
344,755 326,603	Stitzel, F. and Weinedell, C	Railway signals Regulators	June 29, 1886 Sept. 22, 1885
337,885	Stockwell, L. W	Magneto-electric	Mar. 16, 1886
338,622	Stout, G. II	Motors	Mar. 23, 1886
331,918	Street, E. A. and Fleming, R. W.	Conductors, underground	Dec. 8, 1885
341,519	Stuart, C. J	Telephones, details	May 11, 1886
340,065	Stupakoff, S. II		Apr. 13, 1886 Apr. 13, 1886
339,822 342,475	Swau, A Swan, F. A		May 25, 1886
322,993	Swan, J. W		July 28, 1885
337,797	Sweet, D. F	Clocks	Mar. 9, 1886
334,822	Sweet, W. F	do	
343,930	Tacy, S. II	Magneto-electric	June 15, 1886
336,173 341,287	Tainter, S	Telephones, systems Telephones, electric	May 4, 1886
342,477		Telephones, details	
338,315		Recorders	
333,791	Tatham, H. B., jr	Valve-controllers	Jan. 5, 1886
333,899		Thermostats	
327,971		Conductors	
332,761 335,321	Taylor, W.		
321,865		Conductors, underground	
341,289	Temple, E. B	Cut-outs, thermal	May 4, 1886
339,826		Valve-controllers	Apr. 13, 1886
			Mar. 16, 1886
338,115	Terry, S. H.	Telegraph-poles	Top 06 1006
338,115 334,823	Terry, S. H	Magneto-electric	Jan. 26, 1886
338,115 334,823 335,786	Terry, S. H. Tesla, N. Tesla, N.	Magneto-electricLights, are	Jan. 26, 1886 Feb. 9, 1886
338,115 334,823	Terry, S. H. Tesla, N Tesla, N Tesla, N Tesla, N Tesla, N	Magneto-electric	Jan. 26, 1886 Feb. 9, 1886 Feb. 9, 1886 Mar. 2, 1886
338,115 334,823 335,786 335,787 336,961 336,962	Terry, S. H. Tesla, N	Magneto-electric	Jan. 26, 1886 Feb. 9, 1886 Feb. 9, 1886 Mar. 2, 1886 Mar. 2, 1886
338,115 334,823 335,786 335,787 336,961 336,962 335,852	Terry, S. H. Tesla, N Thau, H	Magneto-electric	Jan. 26, 1886 Feb. 9, 1886 Feb. 9, 1886 Mar. 2, 1886 Mar. 2, 1886 Feb. 9, 1886
338,115 334,823 335,786 335,787 336,961 336,962 335,852 332,971	Terry, S. H. Tesla, N Thau, H Thomas, W. M	Magneto-electric	Jan. 26, 1886 Feb. 9, 1886 Feb. 9, 1886 Mar. 2, 1886 Mar. 2, 1886 Feb. 9, 1886 Dec. 22, 1885
338,115 334,823 335,786 335,787 336,961 336,962 335,852 332,971 333,698	Terry, S. H. Tesla, N Thau, H Thomas, W. M	Magneto-electric	Jan. 26, 1886 Feb. 9, 1886 Feb. 9, 1886 Mar. 2, 1886 Mar. 2, 1886 Feb. 9, 1886 Dec. 22, 1885 Jan. 5, 1886
338,115 334,823 335,786 335,787 336,961 336,962 335,852 332,971 333,698 331,663	Terry, S. H Tesla, N Thau, H Thomas, W. M Thomas, W. M Thompson, E. P	Magneto-electric Lights, aredo- Regulatorsdo- Telegraphy, fire Lights, are Lights, systems and appliances Lights, filaments and carbons	Jan. 26, 1886 Feb. 9, 1886 Feb. 9, 1886 Mar. 2, 1886 Mar. 2, 1886 Feb. 9, 1886 Dec. 22, 1885 Jan. 5, 1886 Dec. 1, 1885
338,115 334,823 335,786 335,787 336,961 336,962 335,852 332,971 333,698 331,663 343,742 322,023	Terry, S. H Tesla, N Tesla, N Tesla, N Tesla, N Tesla, N Tesla, N Thau, H Thomas, W. M Thomas, W. M Thompson, E. P Thompson, G. F	Magneto-electric	Jan. 26, 1886 Feb. 9, 1886 Feb. 9, 1886 Mar. 2, 1886 Mar. 2, 1886 Feb. 9, 1886 Dec. 22, 1885 Jan. 5, 1886 June 15, 1886
338,115 334,823 335,786 335,787 336,961 335,852 335,852 332,971 333,698 331,663 343,742	Terry, S. H Tesla, N Thau, H Thomas, W. M Thompson, E. P Thompson, G. F Thompson, H. P Thompson, R. H. S	Magneto-electric Lights, aredo- Regulatorsdo- Telegraphy, fire Lights, are Lights, systems and appliances Lights, filaments and carbons Keys	Jan. 26, 1886 Feb. 9, 1886 Mar. 2, 1886 Mar. 2, 1886 Feb. 9, 1886 Dec. 22, 1885 Jan. 5, 1886 Dec. 1, 1885 June 15, 1886 July 14, 1885 Aug. 11, 1885

No.	Nane.	Class.	DATE.
339,500	Thompson, S. P	Telephones, magnetic	Ann C 1996
339,501	Thompson, S. P	Telephones, electric	Apr. 6, 1886 Apr. 6, 1886
339,499	Thompson, S. P. and John, P	do	Apr. 6, 1886
321,461	Thomson, E	Systems of distribution	July 7, 1885
321,463	Thomson, E	Lights, systems and appliances	July 7, 1885
321,464	Thomson, E	Lightning-arresters	July 7, 1885
322,138	Thomson, E	Systems of distribution	July 14, 1885
322,139	Thomson, E	Vicential alastic	
323,975 323,976	Thomson, E		Aug. 11, 1885
324,501	Thomson, E	do	Aug. 11, 1000
324,502	Thomson, E	Lights, are	Aug. 18, 1885
327,039	Thomson, E	Cut-outs, electro-magnetic	Sept. 29, 1885
333,573	Thomson, E	Magneto-electric	Jan. 5, 1886
335,158	Thomson, E	Lights, incandescent	Feb. 2, 1886
335,159	Thomson, E	Lights, systems and appliances	Feb. 2, 1886 Feb. 2, 1886
335,160	Thomson, E	Lights, sockets and keys	Feb. 2, 1886
335,547 335,548	Thomson, E	Regulators	
339,714	Thomson, E	Cut-outs, mechanical Lights, sockets and keys	
339,079	Thomson, E. and Rice, E. W	Regulators	
338,208	Thomson, E. and Rice, E. W., jr	Cut-outs, thermal	
344,692	Thomson, E. and Rice, E. W., jr	Lights, sockets and keys	June 29, 1886
333,174	Thomson, W	Magneto-electric	Dec. 29, 1885
336,268	Thornberry, H. S	Telephoues, electric	Feb. 16, 1886
333,902	Thury, R	Magneto-electric	Jan. 5, 1886
330,071 342,481	Tichenor, A. C.	Conductors	Nov. 10, 1885 May 25, 1886
330,640	Timby, T. R.	Applications, general	Nov. 17, 1885
330,642	Timby, T. R	do	Nov. 17, 1885
326,068	Timmis, I. A. and Currie, S. C. C.	Railway-signals	Sept. 8, 1885
328,982	Tirrell, J. P	Bells	Oct. 27, 1885
331,463	Tirrell, J. P.	Indicators	Dec. 1, 1885
341,291	Tisdale, C. D	Railway-signals	May 4, 1886
343,868 343,869	Tomney, J	Alarms, burglar	June 15, 1886 June 15, 1886
329,510	Travis, C. L	Lights, systems and appliances	Nov. 3, 1885
336,828	Travis, C. L	Insulators	Feb. 23, 1886
336,176	Tregoning, J	Lights, are	Feb. 16, 1886
330,173	Tringham, J. W	Insulators	Nov. 10, 1885
330,356	Trotter, A. P	Lights, systems and appliances	Nov. 10, 1885
328,156 336,876	Tucker, C. A	Valve-controllers	Uct. 13, 1885
336,877	Turnbull, W. C	Telephones, electricdodo	Feb. 23, 1886
338,889	Turnbull, W. C	Telephones, switches	
339,121	Turnbull, W. C	Telephones, electric	Mar. 30, 1886
344,067	Turnbull, W. C	Telephones, magnetic	June 22, 1886
344,333	Turnbull, W. C	do	June 22, 1886
331,924	Vail, J. H	Magneto-electric	Dec. 8, 1885
322,214	Vail, T. N	Cut-outs, thermal	July 14, 1885
324,191 324,192	Vail, T. N	Telephones, systems, automaticdo	Aug. 11, 1885
330.644	Vail, T. N	Telephones, switch-boards	Nov. 17, 1885
336,450	Valiant, P. F	Medical and surgical, body-wear	Feb. 16, 1886
325,714	Van Choate, S. F.	Magneto-electric	Sept. 8, 1885
323,470	Van Depoele, C. J	Regulators	Aug. 4, 1885
323,981	Van Depoele, C. J	Lights, systems and appliances	Aug. 11, 1885
323,982		Motors	
323,983 323,984	Van Depoele, C. J.	Lights, incandescent Locomotion	Aug. 11, 1886
324,193	Van Depoele, C. J	Lights, filaments and carbons	
324,899		Locomotion	
325,133	Van Depoele, C. J	Regulators	Aug. 25, 1885
325,225	Van Depoele, C. J.	Meters	Aug. 25, 1885
329,104	Van Depoele, C. J.	Locomotion	Oct. 27, 1885
331,585	Van Depoele, C. J	do	Dec. 1, 1885
334,062 335,659	Van Depoele, C. J.	Populators	Jan. 12, 1886
336,452	Van Depoele C. J	Regulators Lights, arc	Feb. 16 1886
336,453	Van Depoele, C. J.	Locomotion	Feb. 16, 1886
337,896	Van Depoele, C. J	Regulators	Mar. 16, 1886
337,897	Van Depoele, C. J.	Motors	Mar. 16, 1886
337,899	Van Depoele, C. J	Lights, incandescent	Mar. 16, 1886
338,320	Van Depoele, C. J.	Regulators	Mar. 23, 1880
338,321 338,375	Van Depoele C. J	Magneto-electric Motors	Mar. 23, 1886
344,425	Van Depoele, C. J	Locomotion	June 29, 1886
,	1 /		

322,024 Van Gestel, J. and Beck, C. F Lights, incaudescent 329,515 Van Nortwick, S. B Telegraphy, printing 322,333 Van Rysselberghe, F Telegraphy, circuits and systems 323,239 Van Rysselberghe, F Telegraphy, circuits and systems 326,892 Van Rysselberghe, F Telegraphy, quadruplex 341,293 Vanstone, S Circuit-closers 330,531 Vetter, J. C Induction-coils	Nov. 3, 1885
329,515	Nov. 3, 1885
323,239 Van Rysselberghe, F	
326,892 Van Rysselberghe, F Telegraphy, quadruplex 341,293 Vanstone, S Circuit-closers 330,531 Vetter, J. C Induction-coils	July 14, 1885
341,293 Vanstone, S Circuit-closers Induction-coils	
330,531 Vetter, J. C Induction-coils	Sept. 22, 1885 May 4, 1886
335,325 Yœlker, W. L Magneto-electric	Feb. 2, 1886
335,323 Vœlker, W. L	Feb. 2, 1886
330,074 Vogel, W Railway signals	
333,178 Vogel, Wdo	0
326,359 Wacker, G. G	
327,625 Waite, H. E Telephones, electric	
341,822 Walcher-Uysdal, R. R. v Indicators	
338,120 Waldo, L Galvanometers	
342,548 Walker, A. O Applications, general Applications,	
342,407 Walter, H. Batteries, galvanie	May 25, 1886
323,241 Walter, W Conductors, underground 334,399 Walter, W. C Indicators	
338,122 Walther, R. and H Lights, arc	
342,549 Ward, J. H. R. and Jenks, W. J. Cut-outs, electro-magnetic.	May 25, 1886
335.860 Warner, C. D Clocks	Feb. 9, 1886
339.718 Warner, E. P Telephones, calls	Apr. 13, 1886
321,553 Warner, J. C Telephones, systems	
323,243 Warren, A. G	
336,184 Waterhouse, A. G	
332,685 Waterhouse, F. G Magneto-electric	
334,317 Waterhouse, F. G. Lights, arc. Lights, arc.	Jan. 12, 1886
336,608 Watson, J. E Regulators	
329,245 Weaver, E. E. Circuit-closers	
336,773 Weil, L	Oct. 20, 1885
335,863 Weis, J	
332,467 West, C. N	
329,982 West, W. A Telephones, magnetic	
329,983 West, W. A Telephones, electric	
329,984 West, W. A	
342,552 Westinghouse, G., jr Systems of distribution Induction-coils	
327,908 Weston, E Galvanometers	
330,449 Weston, E Rheostats	
330,450 Weston, E Lights, are	
330,451 Weston, E	
334,142 Weston, E	
334,144 Weston, E Lights, are Lights, are	Jan. 12, 1886
334,145 Weston, E	
334,146 Weston, E Lights, filaments and carbons	Jan. 12, 1886
334,147 Weston, E Lights, incandescent	
340,395 Weston, E	Apr. 20, 1886
340,396 Weston, E Lights, incandescent Lights, filaments and earbons Lights, filaments and earbons	Apr. 20, 1886 Apr. 20, 1886
340,398 Weston, E Rheostats Rheostats	Apr. 20, 1886
340,399 Weston, E	
340,400 Weston, E Lights, sockets and keys	
340,401 Weston, E Cut-outs, mechanical	
340,402 Weston, E Lights, filaments and carbons Galyanometers	
340,403 Weston, E Galvanometers Lights, systems and appliances Lights, systems and appliances	
326,363 Weston, W. S	Sept. 15, 1885
326,364 Weston, W. Sdo	Sept. 15, 1885
322,335 Wetmore, J. A Applications, tools and machines	July 14, 1885
339,955 Wharton, W., jr. and Samuel, E Locomotion	Apr. 13, 1886
324,621 Wheeler, S. S Applications, general 335,048 Wheeler, S. S Regulators	Aug. 18, 1885 Jan. 26, 1886
335,099 Wheeler, S. S	
324,058 White, L. S Igniting devices	
381,221 White, L. S	Nov. 24, 1885
336,190 Whited, C. W Railway signals	
338,323 Whited, C. W do Tolophones switches	
326,610 Whitlock, C. and Knapp, A. C. Telephones, switches	
330,949 Wightman, M. J Cut-outs, mechanical	
336,191 Wightman, M. J Lights, sockets and keys	Feb. 16, 1886
329,112 Willans, P. W Valve-eontrollers	Oet. 27, 1885

No.	NAME.	CLASS.	DATE.
343,095	Williams, C. W	Telegraphy, railway-car	June 1, 1886
328,166	Williams, G. M	Alarms	Oct. 13, 1885
322,233	Williams, H. N	Igniting devices, portable	July 14, 1885
335,495	Williams, J. B.	Conductors	Feb. 2, 1886
322,030	Williams, J. R.	Applications, general	July 14, 1885
342,666	Williams, J. T	Locomotion	May 25, 1886
342,666 330,277	Williams, T. D	Conductors, underground	Nov. 10, 1885
333.044	Williamson, M. B	Telephones, mechanical	Dec. 22, 1885
342.157	Willis, V	Keys	May 18, 1886
342,157 332,173	Willson, T. L.	Lights, are	Dec. 8, 1885
343,939	Wilson, D. H	Applications, general	June 15, 1886
336,276	Wilson, J	Insulators	Feb. 16, 1886
331,356	Wilson, J. C	Telegraphy, fire	Dec. 1, 1885
336,972	Wilson, J. C	Telephones, calls	Mar. 2, 1886
339,960	Wilson, J. C	Telegraphy, fire	
341,114	Wilson, J. C	do	May 4, 1886
341,115	Wilson, J. C	do	
344,430	Wilson, J. C	Keys	
344,467	Wilson, J. C	Telegraphy, fire	
331,104	Winslow, W. H	Electrolysis	
331,105	Winslow, W. H	do	Nov. 24, 1885
338,328	Winterhalder, L	Morse registers	Mar. 23, 1886
327,911	Wirsching, A	Telegraphy, printing	Oct. 6, 1885
336,030	Wiswell, J. C	Electrolysis	Feb. 9, 1886
329,871	Wood, F. B.	Telegraphy, fire	
338 320	Wood, F. B	Morse registers	Mar. 23, 1886
338,329 330,763	Wood, J. B	Telephones, systems	Nov. 17, 1885
325,639	Wood, J. J	Alarms	Sept. 1, 1885
326,894	Wood, J. J	Regulators	
337,289	Wood, J. J	Lights, are	Mar. 2, 1886
344,764	Woodward, A. T	Conductors, underground	June 29, 1886
338,683	Woodward, J. H	Batteries, galvanic	Mar. 23, 1886
325,641	Woolley, L. G	Motors	Sept. 1, 1885
340,182	Woolley, L. G	Lights, arc	
341,303	Woolley, L. G	Magneto-electric	May 4, 1886
341,620	Woolley, L. G	Lights, incandescent	May 11, 1886
341,981	Woolson, O. C	Magneto-electric	May 18, 1886
324,792	Worth, A. B.	Lights, are	Aug. 18, 1885
337,803	Worth, A. B.	Applications, general	
337,804	Worth, A. B.	do	Mar. 9, 1886
343,620	Wright, G. A.	Medical and surgical, body-wear	
343,354	Wyckoff, A.	Conductors, underground	June 8, 1886
324,447	Wynne, F	Locomotion	Aug. 18, 1885
338,009	Yale, C. O., Holman, G. F. W. and Barnette,	Recorders	Mar. 16, 1886
500,000	W. J.	i i contracto	2141. 10, 1000
332,130	Yeakle, J. B	Alarms, burglar	Dec. 8, 1885
322,515	Young, J	Lights, systems and appliances	July 21, 1885
341,536	Zalinski, E. L	Applications, tools and machines	May 11, 1886
341,537	Zalinski, E. L	Approacions, tools and machines	May 11, 1886
041,001	Zamiski, E. D		May 11, 1000
	REI	SSUES.	
10.000		T1	NI 04 100"
10,663	Drake, C. C	Electro-magnetic, reissue of 280,916	Nov. 24, 1885
10,720	Haenichen, F. and O.	Clocks, reissue of 316,360	May 11, 1886
	Hosa A T	Annunciators, reissue of 288,570	Apr. 13, 1886
10,711 10,738	Hess, A. T	Lights, arc, reissue of 330,351	June 22, 1886

